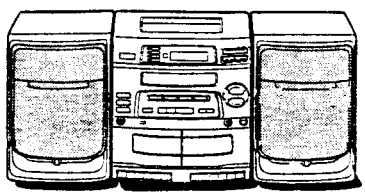
aiwa

aiwa SERVICE

CA-DW600

SERVICE MANUAL



CD CARRY COMPONENT SYSTEM

- BASIC TAPE MECHANISM:TN-21ZSW-1622
- BASIC CD MECHANISM:3ZG3-A6N
- TYPE:U.LH

S/M Code No. 09-959-115-60T

SPECIFICATIONS

Tuner

FM 87.5–108.0 MHz
Antenna: FM antenna

AM 530–1,710 kHz
Antenna: Ferrite bar antenna

Amplifier

Power output 5 W + 5 W (4 ohms, EIAJ)
FTC rule
4 Watts per channel, Min.
RMS at 4 ohms, from 65 Hz to 15,000 Hz,
with no more than 1 % distortion

Power requirements DC 12 V using eight size D (R20) batteries
U model: AC 120 V, 60 Hz
LH model: AC 110–120V/220–240V selectable,
50/60 Hz

Power consumption 30 W

CD player

Disc Compact disc
Scanning method Non-contact optical scanner
(semiconductor laser application)
Laser Semiconductor laser
λ =780 nm
Rotation speed Approx. 500–200 rpm/CLV
Error correction Cross Interleave, Reed Solomon code
Number of channels 2 channels
D/A conversion 1-bit dual

Cassette deck

Track format 4 tracks, 2 channels
Frequency response Normal tape: 50–12,000 Hz (EIAJ)
Recording system AC bias
Erasure system Magnet erase
Motor DC motor × 1
Heads Deck 1:
Recording/playback head (1)
Erasure head (1)
Deck 2:
Playback head (1)

Common

Dimensions (W × H × D)
266 × 303.7 × 274.6 mm
(10 1/2 × 12 × 10 7/8 in.)
Weight 4.15 kg (9.1 lbs) (not including batteries)

Speakers

Cabinet type 2-way bass reflex type
Speakers 120 mm (4 3/4 in.) cone type woofer
27 mm (1 1/8 in.) ceramic type tweeter
Impedance 4 ohms
Allowable max. input 10 W
Dimensions (W × H × D)
200 × 303.7 × 225.3 mm × 2
(7 7/8 × 12 × 8 7/8 in.)
Weight 1.55 kg (3.2 lbs) × 2

- Design and specifications are subject to change without notice.

■ ACCESSORIES / PACKAGE LIST

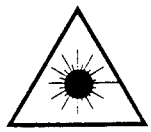
DESCRIPTION で判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF.NO.	PART NO.	カンリ NO.	DESCRIPTION
1	S7-738-910-100		INSTRUCTION,BOOK
2	S1-171-101-000		CORD,POWER SET<U>
2	S2-201-100-000		POWER CORD(E)<LH>
3	SR-CDW-600-000		RC,RC-DW600
4	S0-220-117-000		CONVERTOR 220V-117V

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!
WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!
Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

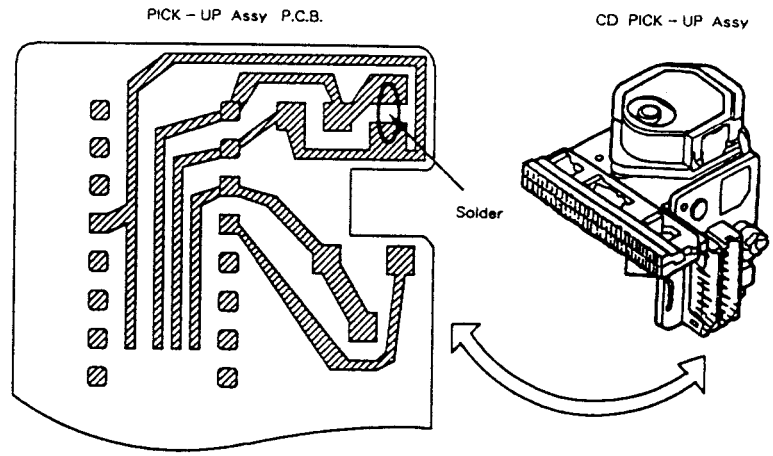
This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

Precaution to replace Optical block (KSS-212A)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

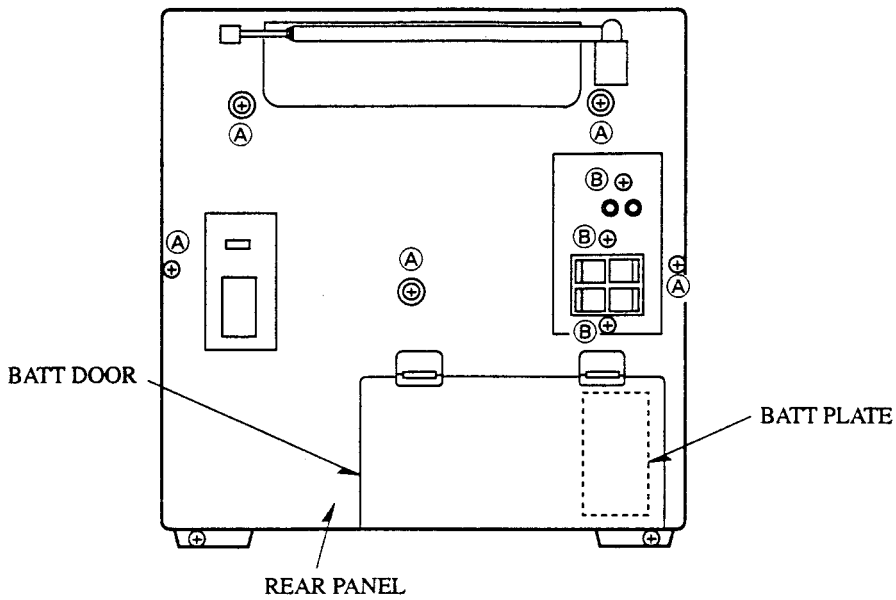
1) After the connection, remove solder shown in the right figure.



DISASSEMBLY INSTRUCTIONS

1. Rear Panel Removal

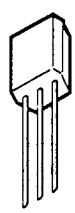
1) Remove the ten screws (Ⓐ×7, Ⓑ×3).
2) Remove the BATT DOOR.
   Remove the BATT PLATE and remove the rear panel.



TRANSISTOR ILLUSTRATION

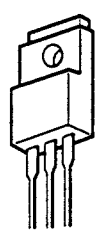
E C B

2SA952
2SA1015
2SA1296
2SA1318
2SC1815
2SC1923
2SC2001
2SC2240



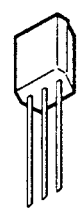
E C B

2SA933S
2SC1740S
2SD1468S
DTA114TS
DTA143ES
DTA144TS
DTC114TS
DTC124XS
DTC143ES



B C E

2SB1370



D S G

2SK161

S G D

2SK246

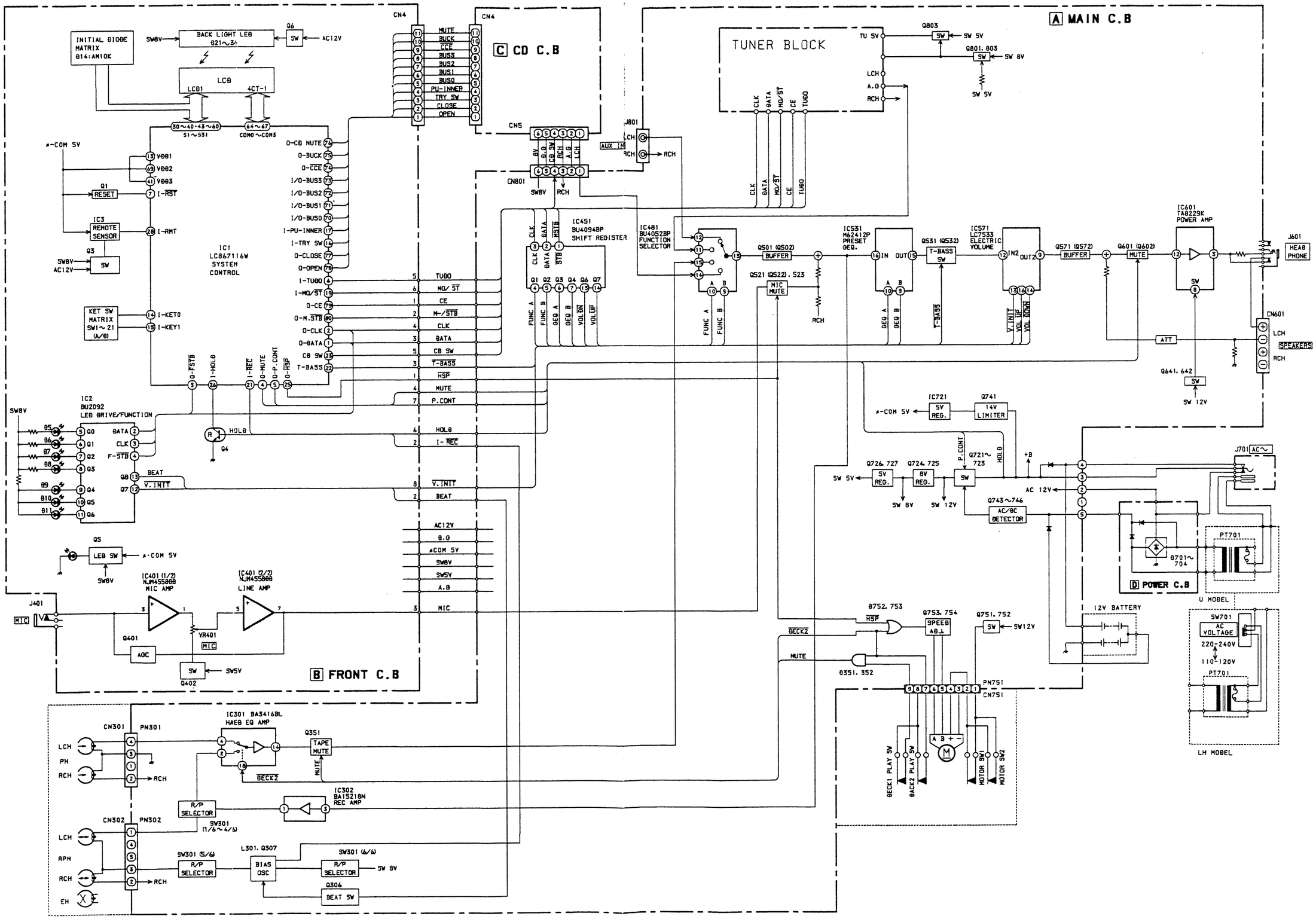
ELECTRICAL MAIN PARTS LIST

DESCRIPTION で判断できない物は “REFERENCE NAME LIST” を参照してください。
If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

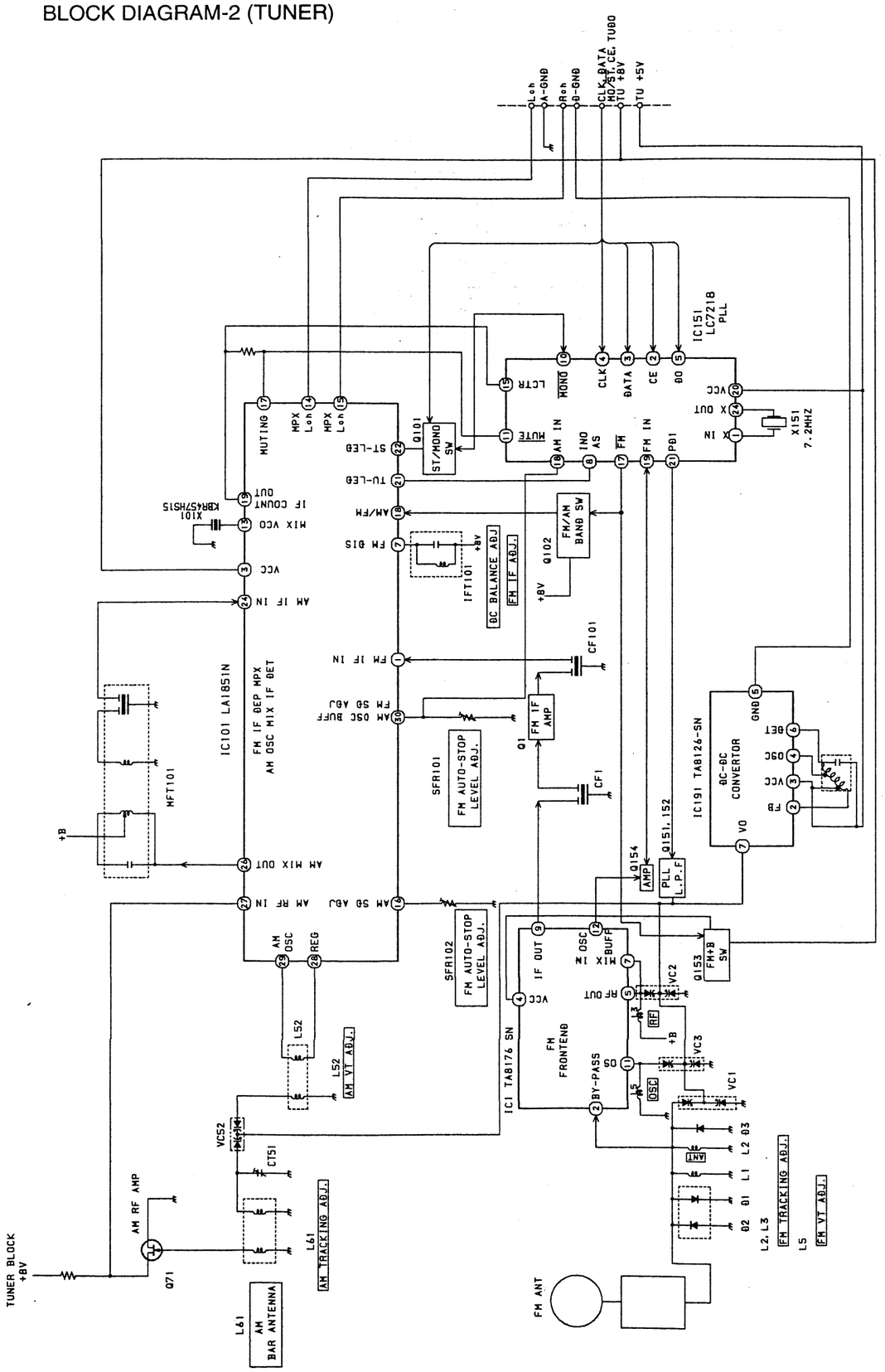
REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
IC			
	84-CT4-640-010		IC,LC867116W-5844
	87-070-134-010		IC,TA2065F
	87-017-680-010		IC,TA8176SN
	S3-520-920-000		IC,BU2092
	87-070-101-010		IC,TC9284AF
	87-070-083-010		IC,GP1U281X
	87-017-801-080		IC,TA2058F
	87-020-903-010		IC,NJM7805FA
	87-070-231-040		IC,TA2063F
	87-001-982-010		IC,TA7291S
	87-002-268-010		IC,LA1851N
	87-001-376-010		IC,LC7218
	87-017-681-010		IC,TA8126SN
	S4-034-160-000		IC,BA3416BL
	87-027-895-010		IC,BA15218
	87-070-417-010		IC,NJM4558DD
	87-002-901-080		IC,BU4094B
	87-017-804-010		IC,BU4052BC
	87-017-947-010		IC,M62412P
	87-017-564-010		IC,LC7533
	87-002-848-010		IC,TA8229K
⚠	87-001-132-080		IC,ICP-N38
	87-070-416-010		IC,NJU7201L55
TRANSISTOR			
	89-319-232-010		TR,2SC1923
	87-026-291-010		TR,DTC124XS
	89-112-964-010		TR,2SA1296GR
	87-026-447-080		TR,2SC1740S
	89-110-155-010		TR,2SA1015-GR
	87-026-464-010		TR,DTC114TS
	87-026-486-080		TR,DTA144TS
	89-501-615-080		TR,2SK161
	87-026-287-010		TR,DTC143ES
	87-026-286-010		TR,DTA143ES
	89-502-464-060		TR,2SK246Y
	89-318-154-810		TR,2SC1815-BL
	87-026-572-080		TR,DTA114TS
	89-320-011-210		TR,2SC2001K
	89-322-405-680		TR,2SC2240GR
	89-414-680-080		TR,2SD1468S
	89-109-330-080		TR,2SA933S
	SQ-2SB-137-0E0		TR,2SB1370E
	89-113-187-080		TR,2SA1318T/U
	89-109-521-210		TR,2SA952/K/L
DIODE			
	87-020-465-010		DIODE,1SS133
	S0-041-480-000		DIODE,IN4148
	87-017-625-090		DIODE,1N53928
	S0-100-911-210		ZENER,M1ZJ9.1C
	S0-100-611-200		ZENER,6.1V 1/2U
	S3-MTZ-J15-A10		ZENER,MTZJ15A
MAIN C.B			
C64	87-010-544-010		CAP,E 0.1-50V
C103	87-010-762-010		CAP,E 220-10V
C104	87-010-402-010		CAP,E 2.2-50V
C108	87-010-401-010		CAP,E 1-50V
C109	87-010-401-010		CAP,E 1-50V
C110	87-010-401-010		CAP,E 1-50V
C111	87-010-546-080		CAP,E 0.33-50V
C113	87-010-421-080		CAP,E 4.7-50V
C116	87-010-498-010		CAP,E 10-16V
C131	87-010-545-010		CAP,E 0.22-50V
C132	87-010-545-010		CAP,E 0.22-50V
C142	87-010-221-810		CAP,E 470-10V
C160	87-010-555-010		CAP,E 100-10V
C167	87-010-496-010		CAP,E 3.3-50V
C194	87-010-555-010		CAP,E 100-10V
C195	87-010-564-010		CAP,E 100-16V
C305	87-010-891-080		CAP,E 47-10V
C306	87-010-891-080		CAP,E 47-10V
C307	87-010-444-080		CAP,E 22-50V
C308	87-010-415-010		CAP,E 10-50V
C309	87-010-545-010		CAP,E 0.22-50V
C310	87-010-545-010		CAP,E 0.22-50V
C311	87-010-762-010		CAP,E 220-10V
C312	87-010-891-080		CAP,E 47-10V
C315	87-010-401-010		CAP,E 1-50V
C316	87-010-401-010		CAP,E 1-50V
C317	87-010-444-080		CAP,E 22-50V
C318	87-010-444-080		CAP,E 22-50V
C319	87-010-415-010		CAP,E 10-50V
C320	87-010-415-010		CAP,E 10-50V
C327	87-010-421-080		CAP,E 4.7-50V
C331	87-010-891-080		CAP,E 47-10V
C501	87-010-401-010		CAP,E 1-50V
C502	87-010-401-010		CAP,E 1-50V
C503	87-010-401-010		CAP,E 1-50V
C504	87-010-401-010		CAP,E 1-50V
C505	87-010-555-010		CAP,E 100-10V
C531	87-010-401-010		CAP,E 1-50V
C532	87-010-401-010		CAP,E 1-50V
C539	87-010-545-010		CAP,E 0.22-50V
C540	87-010-545-010		CAP,E 0.22-50V
C541	87-016-130-080		CAP,E 47-25V
C571	87-010-401-010		CAP,E 1-50V
C572	87-010-401-010		CAP,E 1-50V
C573	87-010-401-010		CAP,E 1-50V
C574	87-010-401-010		CAP,E 1-50V
C579	87-010-891-080		CAP,E 47-10V
C580	87-010-401-010		CAP,E 1-50V
C581	87-010-544-010		CAP,E 0.1-50V
C582	87-010-371-040		CAP,E 470-6.3V
C583	87-010-555-010		CAP,E 100-10V
C591	87-010-401-010		CAP,E 1-50V
C592	87-010-401-010		CAP,E 1-50V
C607	87-010-444-080		CAP,E 22-50V
C608	87-010-444-080		CAP,E 22-50V
C609	87-016-130-080		CAP,E 47-25V
C613	87-010-555-010		CAP,E 100-10V
C614	87-010-555-010		CAP,E 100-10V
C615	87-010-376-010		CAP,E 2200-10V
C616	87-010-376-010		CAP,E 2200-10V
C621	87-010-045-810		CAP,E 100-25V
C622	87-010-387-080		CAP,E 470-25V
C623	87-010-546-080		CAP,E 0.33-50V
C624	87-010-546-080		CAP,E 0.33-50V
C625	87-010-415-010		CAP,E 10-50V
C641	87-010-908-080		CAP,E 220-10V
C720	87-010-415-010		CAP,E 10-50V
C721	87-010-698-010		CAP,E 4700-25V
C722	87-010-385-010		CAP,E 220-25V
C723	87-010-762-010		CAP,E 220-10V
C726	87-010-421-080		CAP,E 4.7-50V
C727	87-010-401-010		CAP,E 1-50V
C728	87-010-221-810		CAP,E 470-10V
C729	87-010-555-010		CAP,E 100-10V
C730	87-010-762-010		CAP,E 220-10V
C741	87-010-403-010		CAP,E 3.3-50V
C831	87-010-415-010		CAP,E 10-50V
CF1	S0-001-070-000		CER,FIL SFE-10.7MA5-M
CF101	S0-001-070-000		CER,FIL SFE-10.7MA5-M
IFT101	S0-029-200-070		IFT,292MCAS-A6 7HM
J601	S0-020-003-500		JACK,HP 3.5MM
J602	S0-003-240-000		TERMINAL PUSH 4P
J801	S0-002-420-000		JACK,RCA
L1	S1-500-200-050		COIL,FM 15T
L2	S0-550-550-070		COIL,FM 5.5T
L3	S0-450-550-070		COIL,FM
L4	S0-102-270-000		INDUCTOR,2.2UH
L5	S0-450-550-070		COIL,FM
L52	S0-091-340-070		IFT,A7BRCS-A9134
L61	S0-703-950-000		COIL ANT ASSY
L151	S0-104-770-000		INDUCTOR,4.7UH/CEC-4R7K
L152	S0-104-760-000		INDUCTOR,47UH
L191	S0-091-340-070		IFT,A7BRCS-A9134
L192	S0-100-140-000		INDUCTOR,100UH
L301	S0-091-300-070		IFT,126ANS-A9130YWD
MFT101	S0-006-600-070		IFT,CER FIL
SFR101	S2-030-650-000		SFR,20K
SFR102	S1-030-650-010		SFR,10K
SFR751	S2-020-650-000		SFR,2K
SW301	S0-062-200-000		SW,REC 6P2T
TC51	S2-001-690-000		TRIMMER TZ03R300FR169
VC1	87-002-730-010		VARI,CAP SVC203
VC2	87-002-730-010		VARI,CAP SVC203
VC3	87-002-730-010		VARI,CAP SVC203
VC52	81-754-634-010		DIODE,VARI CAP KV1260TS2
X101	87-030-218-010		CER,RESO KBR457HS15
X151	S6-072-000-000		X'TAL,7.2MHZ
FRONT C.B			
C7	87-010-927-040		CAP,E 0.47-50V
C8	87-010-401-010		CAP,E 1-50V
C10	87-010-420-080		CAP,E 10-6.3V
C12	87-010-550-070		CAP,E 100-6.3V
C18	87-010-908-080		CAP,E 220-10V
C98	87-010-555-010		CAP,E 100-10V
C404	87-010-401-010		CAP,E 1-50V
C405	87-010-545-010		CAP,E 0.22-50V
C407	87-010-401-010		CAP,E 1-50V
C408	87-010-553-040		CAP,E 47-16V
C409	87-010-555-010		CAP,E 100-10V
C410	87-010-412-010		CAP,E 10-25V
C413	87-010-412-010		CAP,E 10-25V
D4	87-002-285-010		LED,5-5(RED)
D5	87-002-355-010		LED,3.1MM(RED)
D6	87-002-355-010		LED,3.1MM(RED)
D7	87-002-355-010		LED,3.1MM(RED)
D8	87-002-355-010		LED,3.1MM(RED)
D9	87-002-285-010		LED,5-5(RED)
D10	87-002-285-010		LED,5-5(RED)
D11	87-002-285-010		LED,5-5(RED)
D21	87-017-719-010		LED,3MM(GRN)
D22	87-017-719-010		LED,3MM(GRN)
D23	87-017-719-010		LED,3MM(GRN)
D24	87-017-719-010		LED,3MM(GRN)
D25	87-017-719-010		LED,3MM(GRN)
D26	87-017-719-010		LED,3MM(GRN)
D27	87-017-719-010		LED,3MM(GRN)
D28	87-017-719-010		LED,3MM(GRN)
D29	87-017-719-010		LED,3MM(GRN)
D30	87-017-719-010		LED,3MM(GRN)
D33	87-017-719-010		LED,3MM(GRN)
D34	87-017-719-010		LED,3MM(GRN)
D35	87-017-719-010		LED,3MM(GRN)
D36	87-017-719-010		LED,3MM(GRN)
J401	S0-515-460-000		JACK,MIC 3.5MM
L1	S0-100-160-000		INDUCTOR 10UH
L10	87-005-647-080		COIL,10UH
L11	87-005-647-080		COIL,10UH
L401	S0-100-260-000		COIL,1UH
LCD1	S0-040-350-000		LCD,DISPLAY
SW1	SK-HV9-010-000		SW,TACT
SW2	SK-HV9-010-000		SW,TACT
SW3	SK-HV9-010-000		SW,TACT
SW4	SK-HV9-010-000		SW,TACT
SW5	SK-HV9-010-000		SW,TACT
SW7	SK-HV9-010-000		SW,TACT
SW8	SK-HV9-010-000		SW,TACT
SW9	SK-HV9-010-000		SW,TACT
SW10	SK-HV9-010-000		SW,TACT
SW11	SK-HV9-010-000		SW,TACT
SW12	SK-HV9-010-000		SW,TACT
SW13	SK-HV9-010-000		SW,TACT
SW14	SK-HV9-010-000		SW,TACT
SW15	SK-HV9-010-000		SW,TACT
SW16	SK-HV9-010-000		SW,TACT
SW17	SK-HV9-010-000		SW,TACT
SW18	SK-HV9-010-000		SW,TACT
SW19	SK-HV9-010-000		SW,TACT
SW20	SK-HV9-010-000		SW,TACT
SW21	SK-HV9-010-000		SW,TACT
VR401	S1-030-120-010		RES,VARIABLE 10KA
X1	S3-327-680-000		X'TAL,32.768KHZ
X2	87-030-214-080		RESONATOR KBR-6
CD C.B			
C4	87-010-380-010		CAP,E 47-16V
C5	87-010-380-010		CAP,E 47-16V
C6	87-010-555-010		CAP,E 100-10V
C9	87-010-415-010		CAP,E 10-50V
C10	87-010-380-010		CAP,E 47-16V
C13	87-010-415-010		CAP,E 10-50V
C14	87-010-444-080		CAP,E 22-50V
C22	87-010-965-080		CAP,E 33-16V
C26	87-010-555-010		CAP,E 100-10V
C35	87-010-555-010		CAP,E 100-10V
C38	87-010-421-080		CAP,E 4.7-50V
C44	87-010-762-010		CAP,E 220-10V
C48	87-010-380-010		CAP,E 47-16V
C50	87-010-380-010		CAP,E 47-16V
C70	87-010-045-810		CAP,E 100-25V
C85	87-010-401-010		CAP,E 1-50V
C100	87-010-380-010		CAP,E 47-16V
C101	87-010-402-010		CAP,E 2.2-50V
C102	87-010-402-010		CAP,E 2.2-50V
C124	87-010-555-010		CAP,E 100-10V
C126	87-010-221-810		CAP,E 470-10V
C132	87-010-221-810		CAP,E 470-10V
FC1	S1-102-201-300		CABLE FCC
L1	87-005-647-080		COIL,10UH
SFR1	S1-030-850-000		SFR,10K
SFR2	S1-040-851-020		SFR,100K
SFR3	S1-040-851-020		SFR,100K
SFR4	S1-040-851-020		SFR,100K
X1	S0-016-930-000		CER,RESO 16.93MHz
POWER C.B			
⚠	S7-900-000-000		HOLDER,FUSE
⚠F701	S0-315-200-010		FUSE,3.15A/250V<U >
⚠F701	S0-315-200-030		FUSE,3.15A/250V<LH>
DRIVE C.B			
M1	87-045-356-019		MOT,RF-310TA 30
M2	87-045-358-019		MOT,RF-310TA 43
SW1	87-036-340-019		SW,LEAF LSA-1121
MOTOR CD C.B			
M1	87-045-305-019		MOTOR, RF-500TB
SW1	87-036-110-019		SW,PUSH SPPB 62
SW2	87-036-110-019		SW,PUSH SPPB 62

...ent pour inspection postale

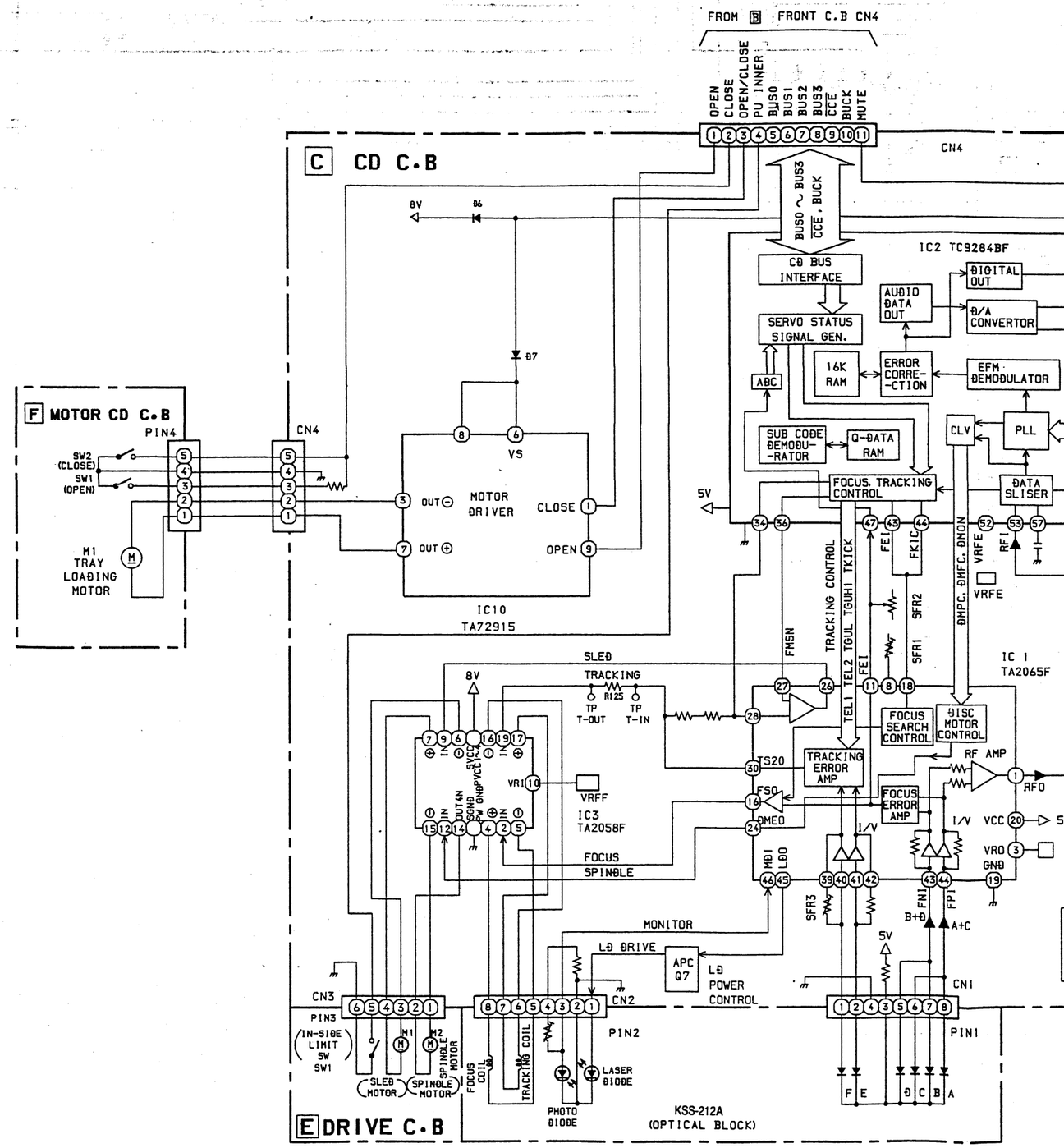
BLOCK DIAGRAM-1 (MAIN)



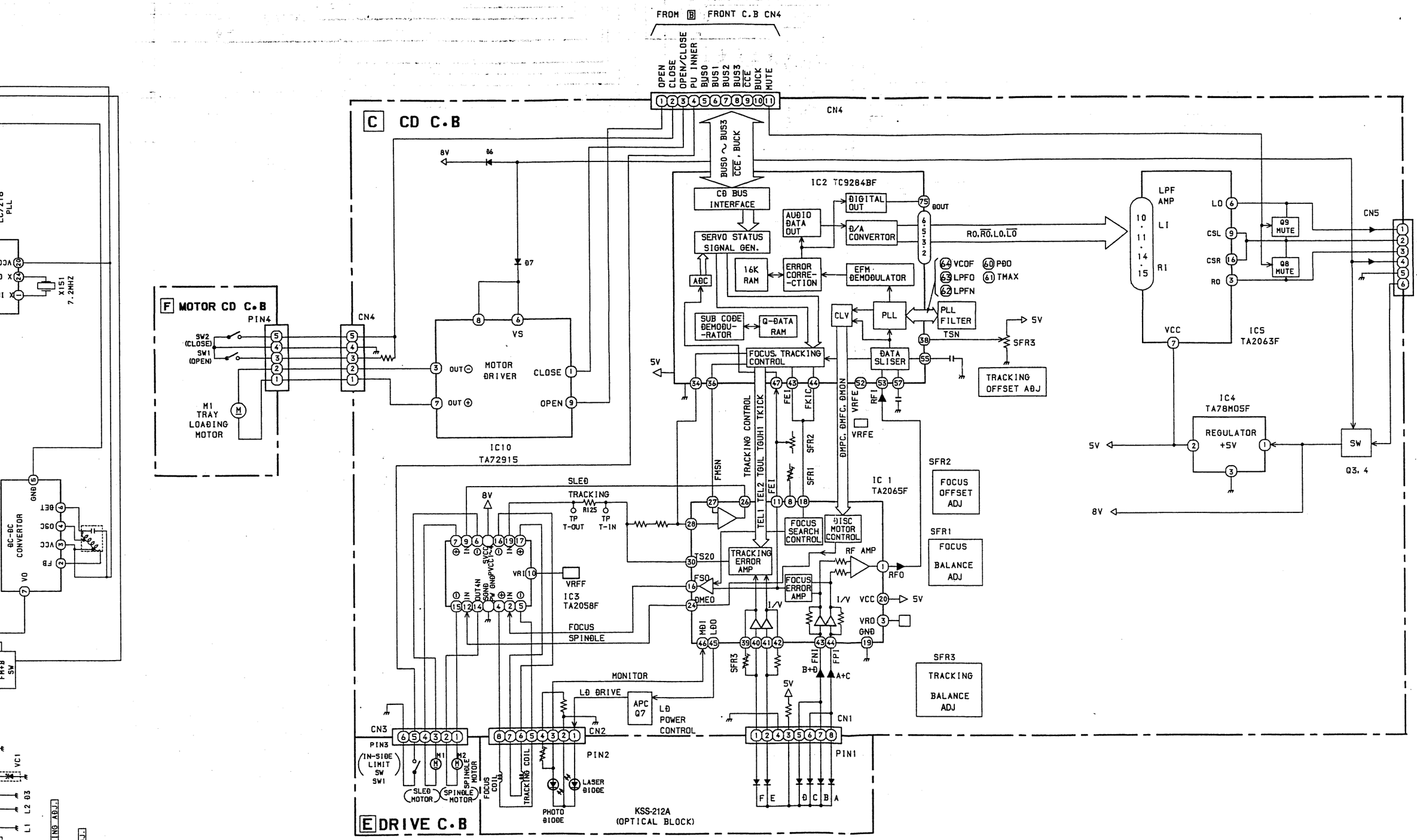
BLOCK DIAGRAM-2 (TUNER)



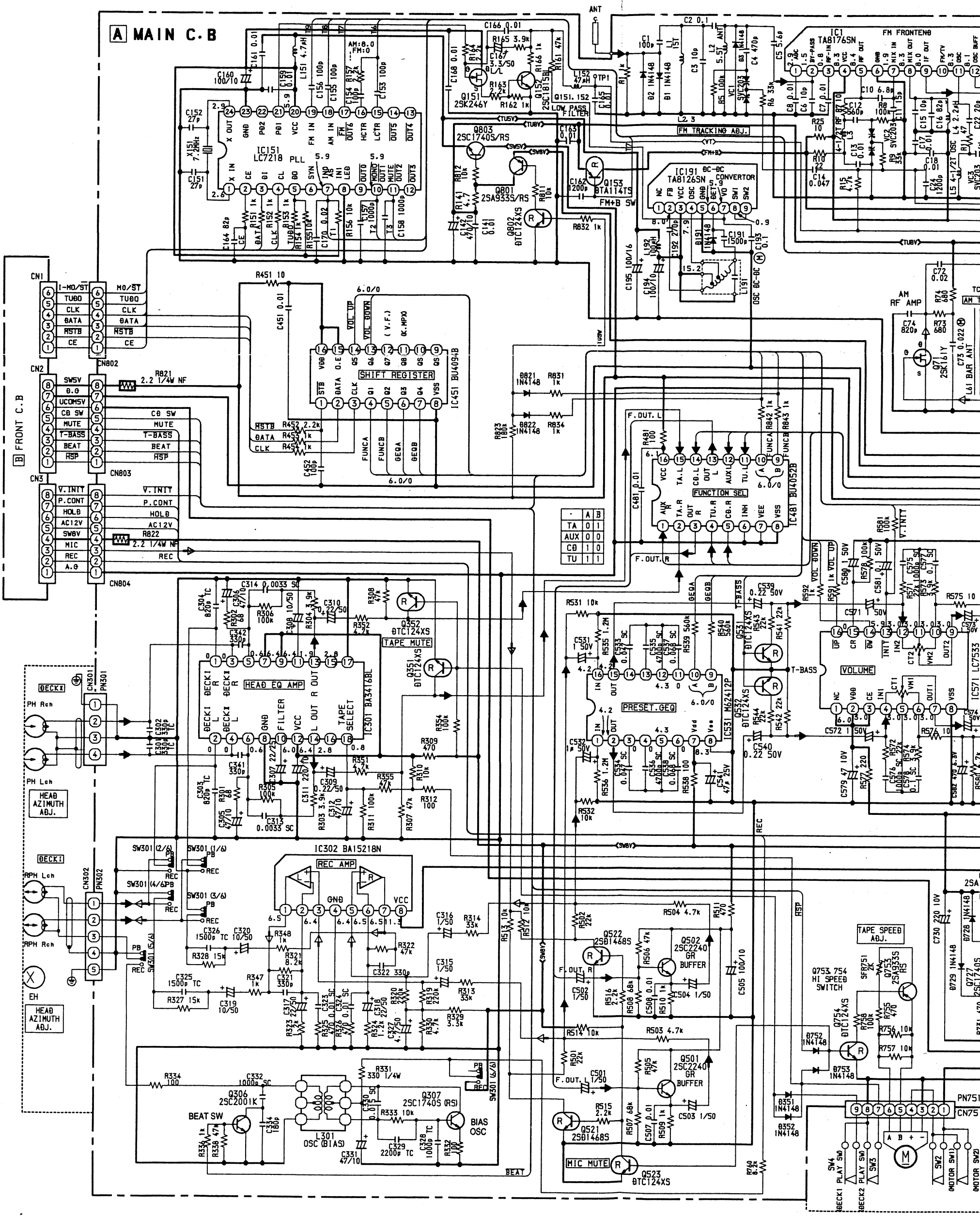
BLOCK DIAGRAM-3 (CD)

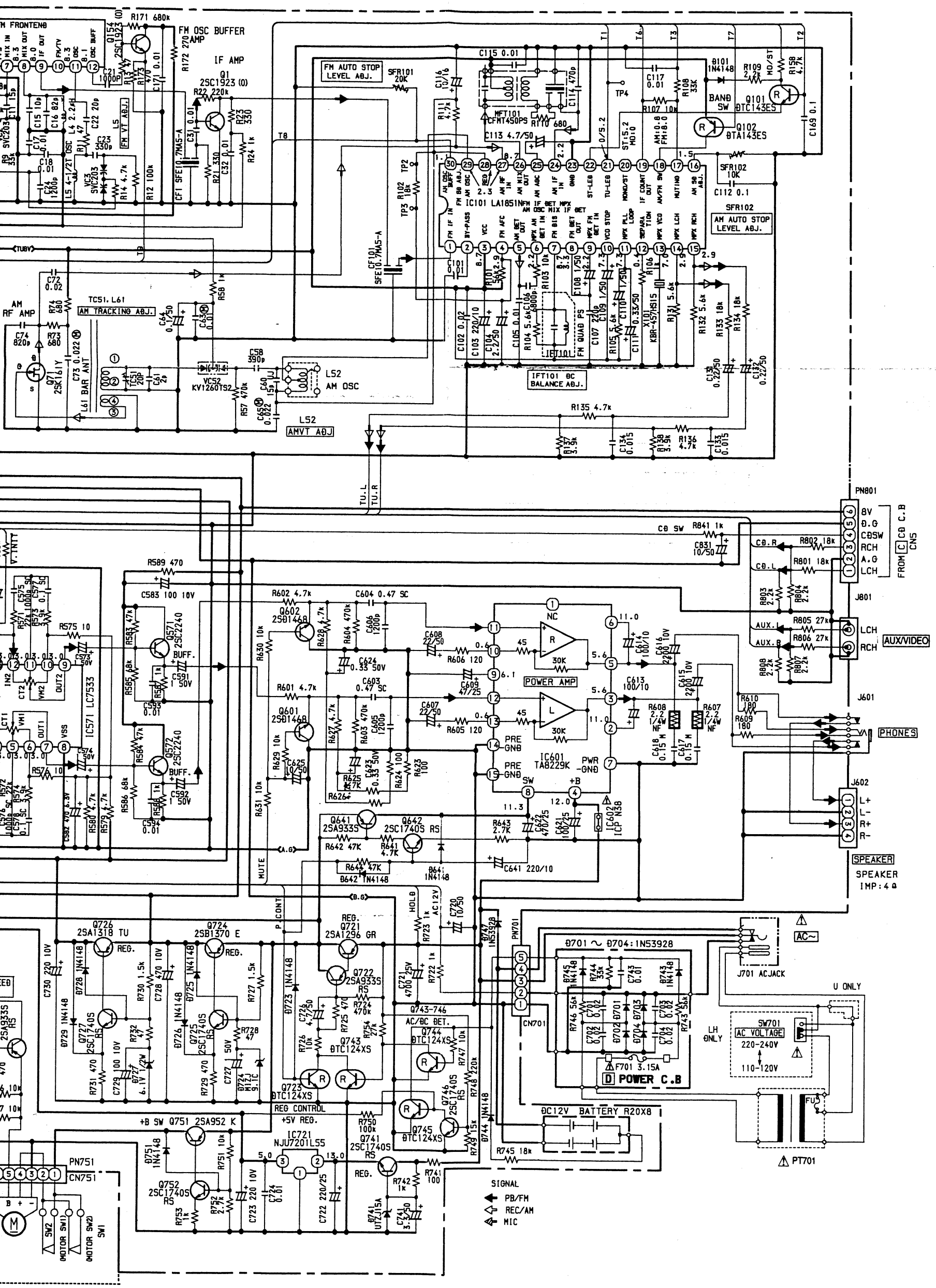


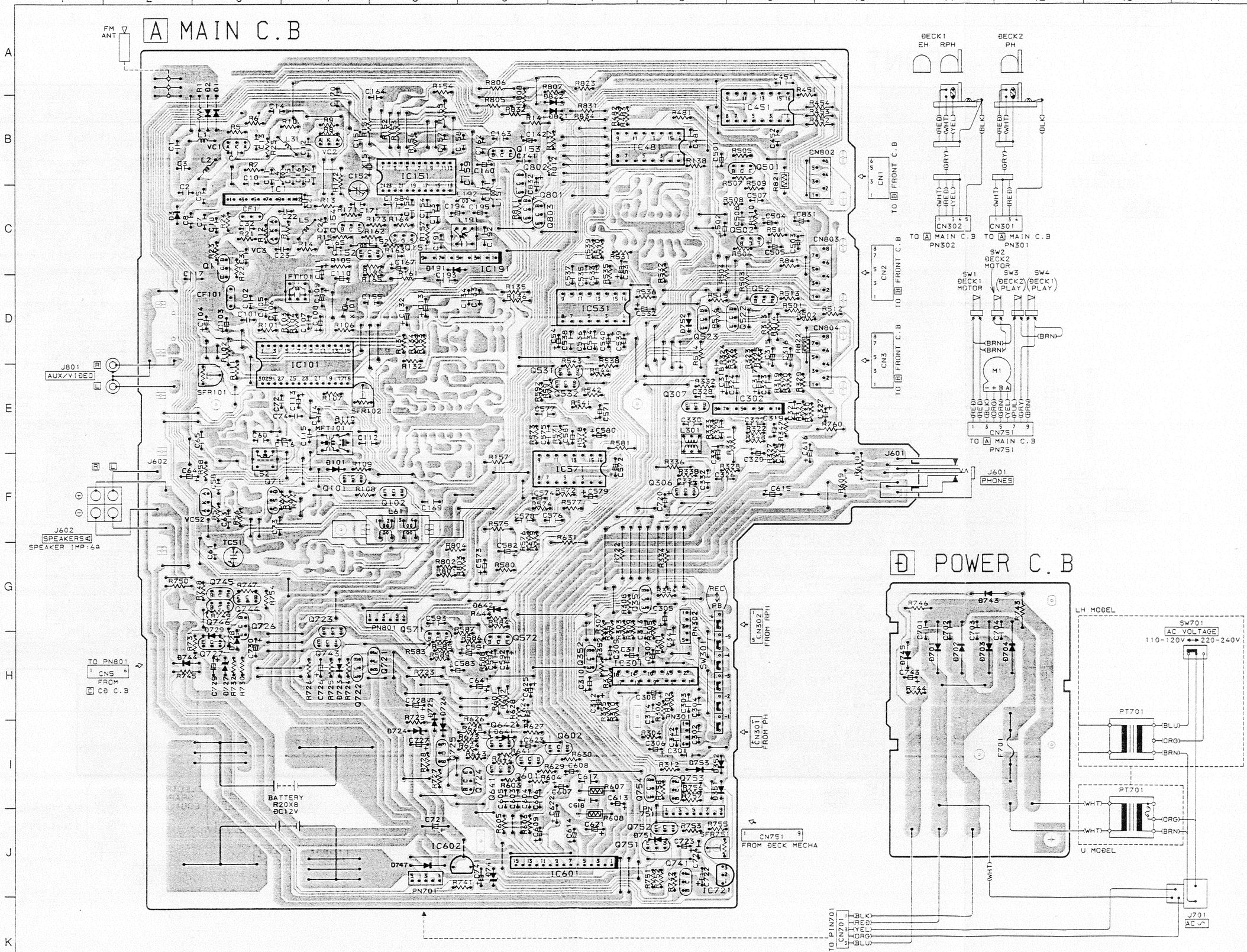
BLOCK DIAGRAM-3 (CD)



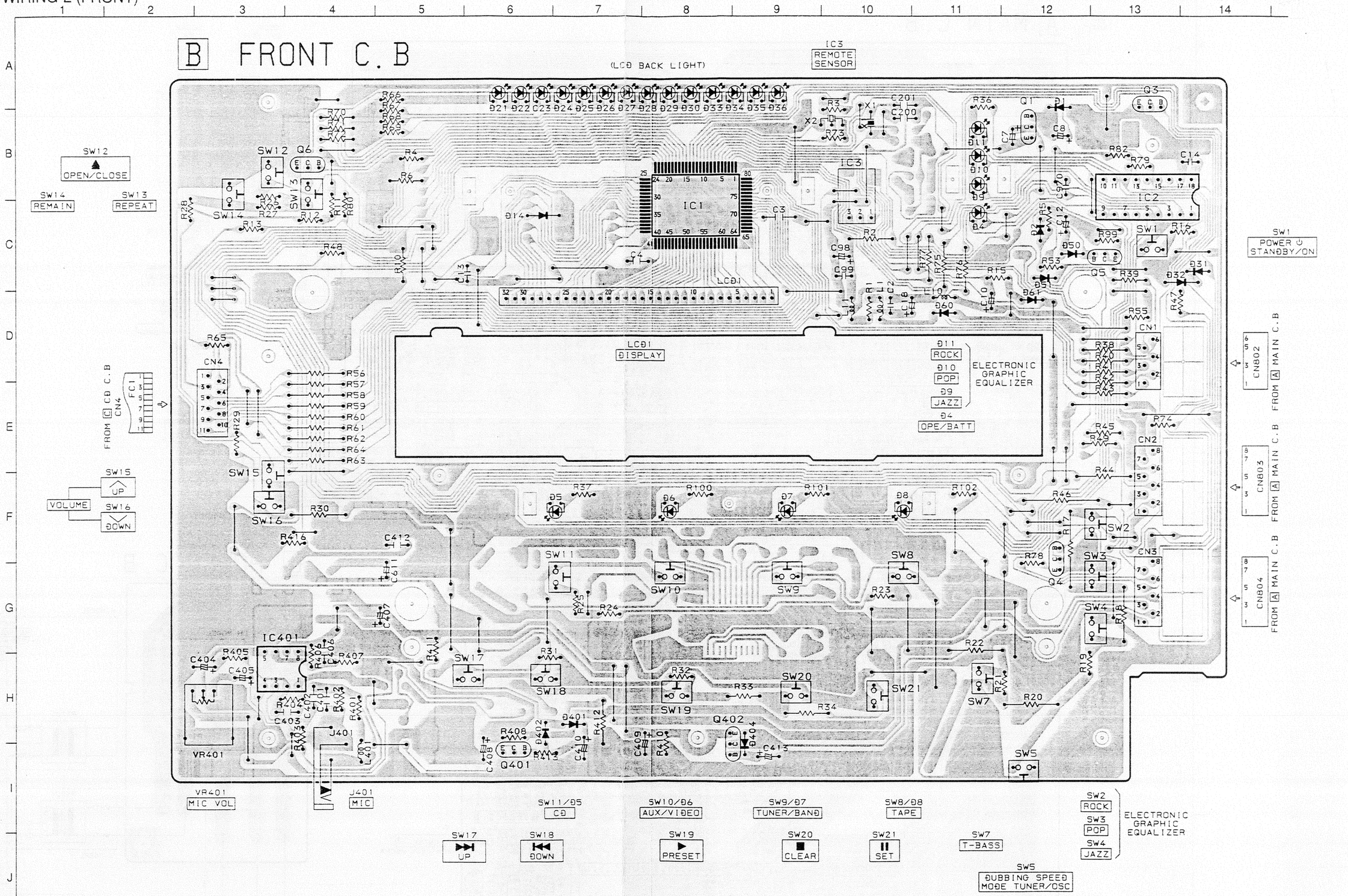
SCHEMATIC DIAGRAM-1 (MAIN)

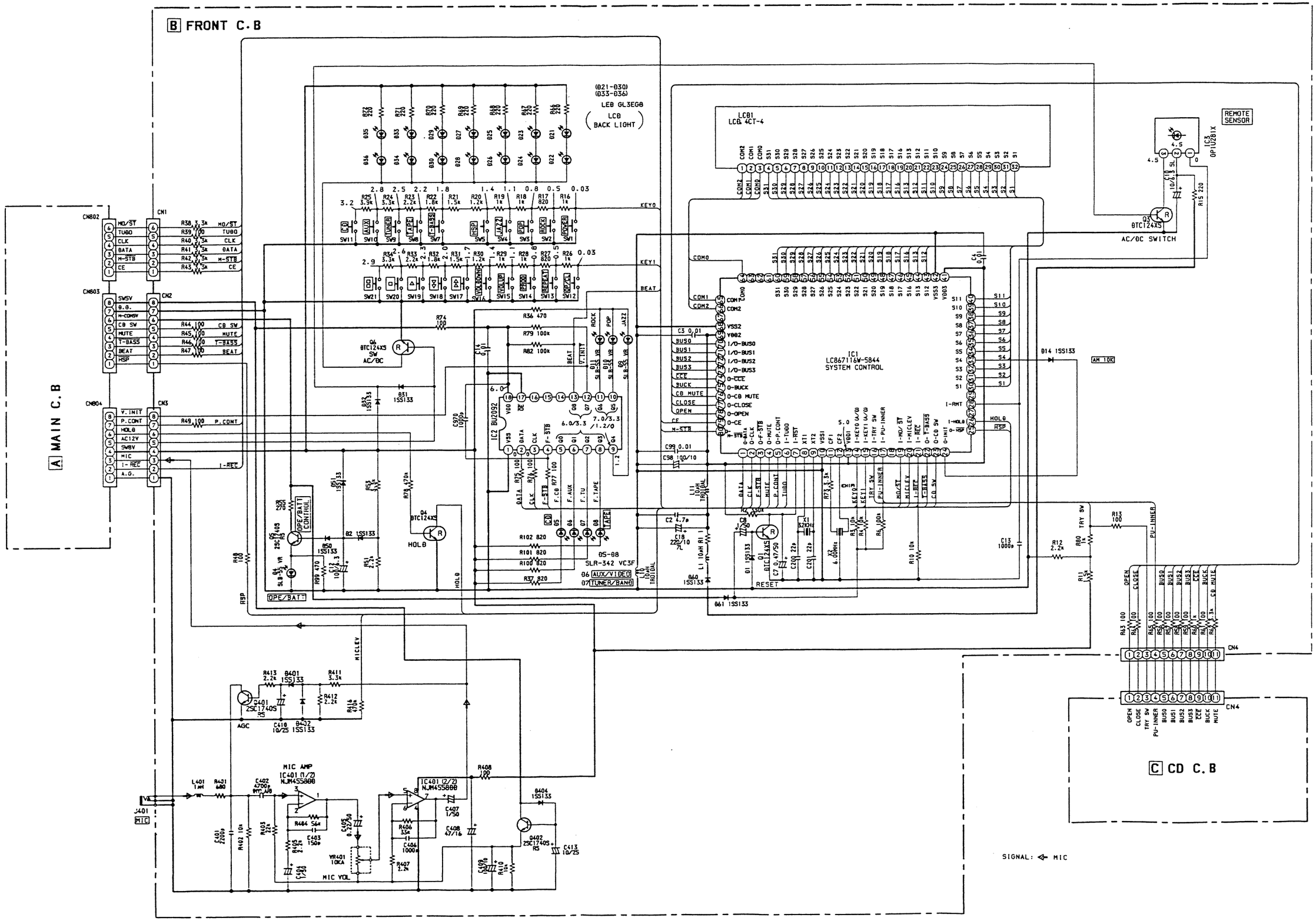


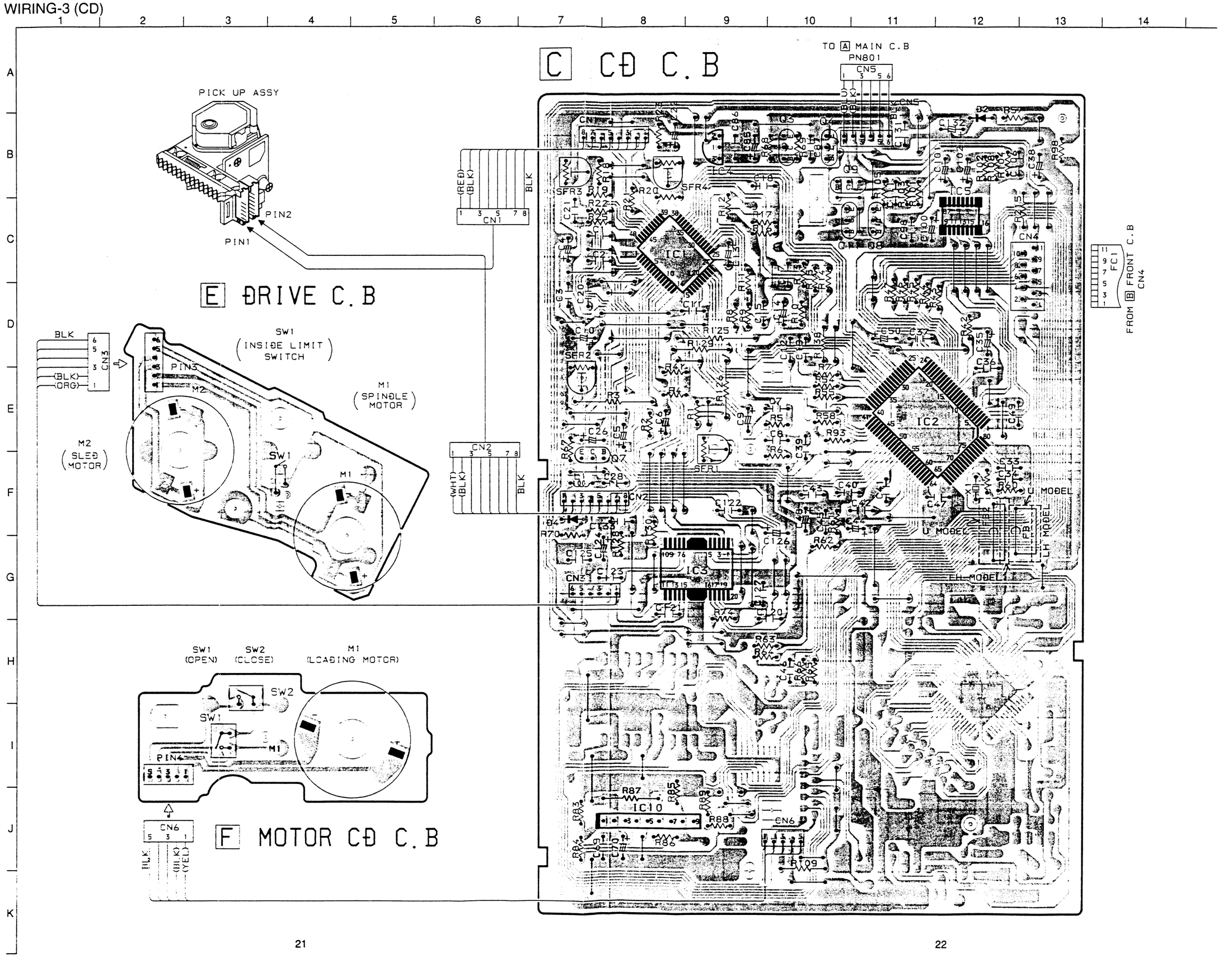

FM FRONTEND
FM OSC BUFFER AMP
IF AMP
FM AUTO STOP LEVEL ADJ.
SFR101 20K
IC101 LA1851N
IFT101
IFT101 8C BALANCE ADJ.
AM RF AMP
TC51, L61 AM TRACKING ADJ.
L52 AM OSC
L52 AMVT ADJ
AM AUTO STOP LEVEL ADJ.
SFR102
IC571 LC7533
IC601 TA8229K
POWER AMP
PN801
J801
AUX/VIDEO
J601
PHONES
J602
SPEAKER
SPEAKER IMP:4Ω
J701 ACJACK
D POWER C.B
F701 3.15A
SW701 AC VOLTAGE 220-240V 110-120V
DC12V BATTERY R20X8
PN751
CN751
REG. CONTROL
+5V REG.
+B SW Q751 2SA952 K
IC721 NJU7201L55
SIGNAL
PB/FM
REC/AM
MIC


A MAIN C.B
FM ANT
J801 AUX/VIDEO
J602 SPEAKERS
SPEAKER IMP:6Ω
TO PN801 CN5 FROM C9 C.B
BATTERY R20X8 DC12V
IC101
IC151
IC19
IC531
IC451
IC48
IC302
IC571
IC602
IC601
IC721
IC301
DECK1 EH RPH
DECK2 PH
CN302
CN301
TO A MAIN C.B PN302
TO A MAIN C.B PN301
SW2 DECK2 MOTOR
SW1 DECK1 MOTOR
SW3 (DECK2 PLAY)
SW4 (DECK1 PLAY)
CN751
TO A MAIN C.B PN751
CN1 TO B FRONT C.B
CN2 TO B FRONT C.B
CN3 TO B FRONT C.B
J601 PHONES
CN302 FROM RPH
CN301 FROM PH
CN751 FROM DECK MECHA
POWER C.B
LH MODEL
U MODEL
SW701 AC VOLTAGE 110-120V 220-240V
PT701
J701 AC
CN701 TO PIN701

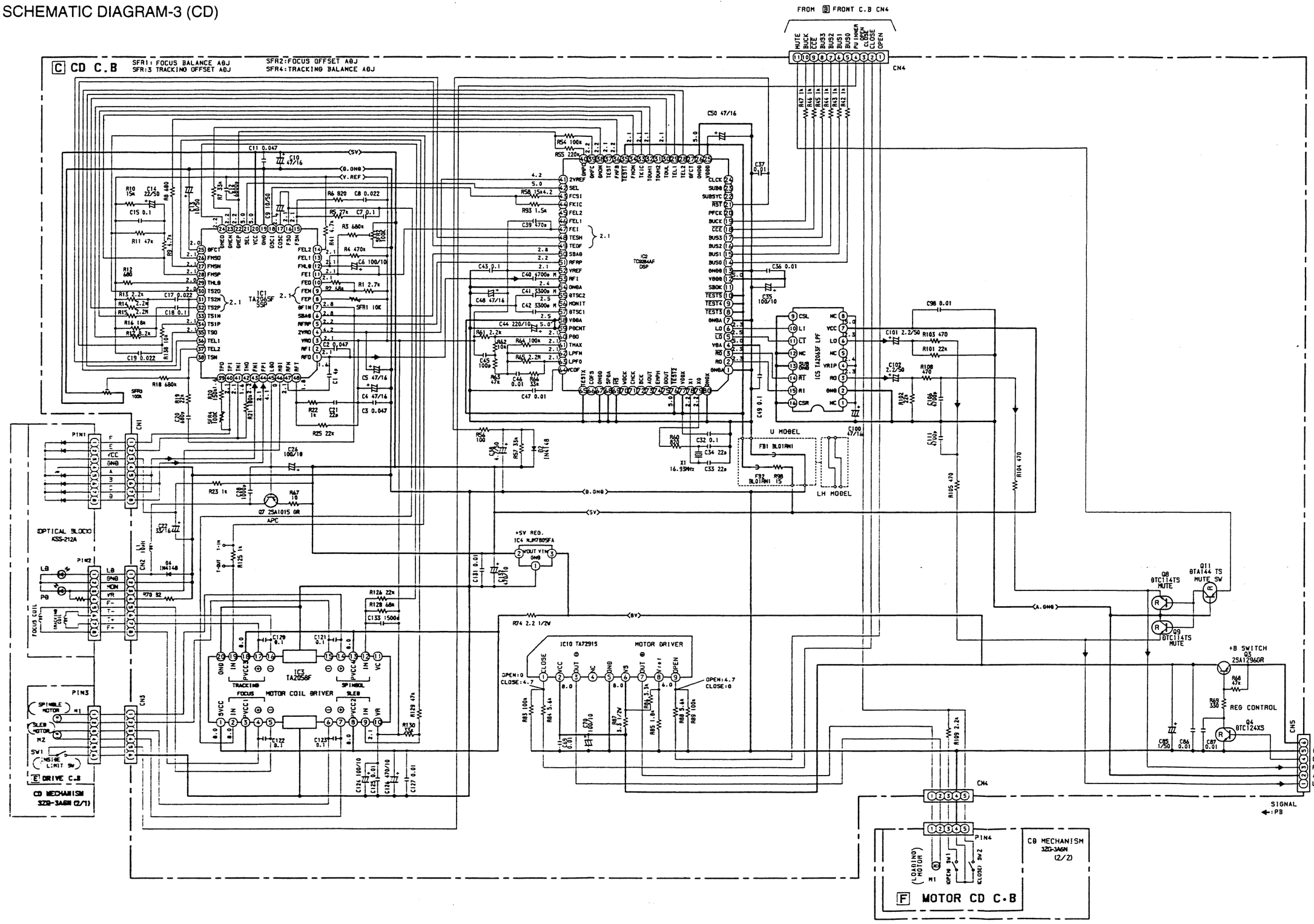
B FRONT C.B


(LCD BACK LIGHT)
IC3 REMOTE SENSOR
SW12 OPEN/CLOSE
SW14 REMAIN
SW13 REPEAT
SW1 POWER ⏻ STANDBY/ON
IC1
IC2
IC3
IC401
LCD1 DISPLAY
Q1
Q2
Q3
Q4
Q5
Q6
Q401
Q402
D11 ROCK
D10 POP
D9 JAZZ
D4 OPE/BATT
ELECTRONIC GRAPHIC EQUALIZER
FROM C CD C.B CN4
FC1
SW15 UP
VOLUME
SW16 DOWN
CN4
CN1
CN2
CN3
CN802
CN803
CN804
FROM A MAIN C.B
SW11/D5 CD
SW10/D6 AUX/VIDEO
SW9/D7 TUNER/BAND
SW8/D8 TAPE
SW17 UP
SW18 DOWN
SW19 PRESET
SW20 CLEAR
SW21 SET
SW7 T-BASS
SW2 ROCK
SW3 POP
SW4 JAZZ
SW5 DUBBING SPEED MODE TUNER/OSC
VR401 MIC VOL
J401 MIC

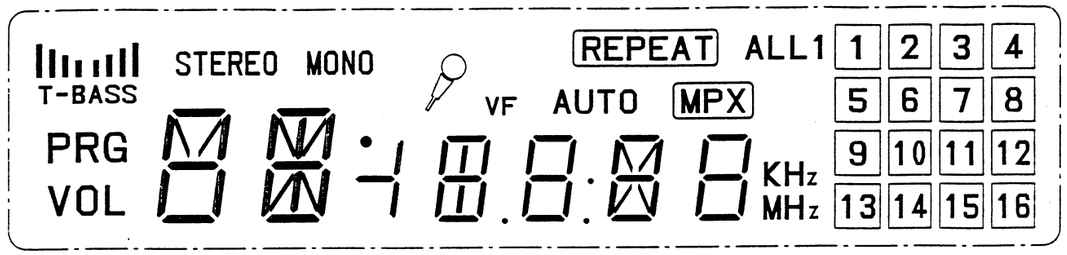

B FRONT C.B
A MAIN C.B
C CD C.B
LCD1
LCD 4CT-4
IC1
LC867116W-5844
SYSTEM CONTROL
IC2 BU2092
REMOTE SENSOR
IC3 GP1U281X
AC/DC SWITCH
RESET
SLR-342 VC3F
MIC AMP
IC401 (1/2) NJM4558DD
IC401 (2/2) NJM4558DD
(021-030)
(033-036)
LED GL3EG8
LCD BACK LIGHT
KEY0
KEY1
BEAT
CN1
CN2
CN3
CN4
CN802
CN803
CN804
OPE/BATT
HOLD
HSP
MICLEV
AGC
MIC VOL
SIGNAL: ⇐ MIC

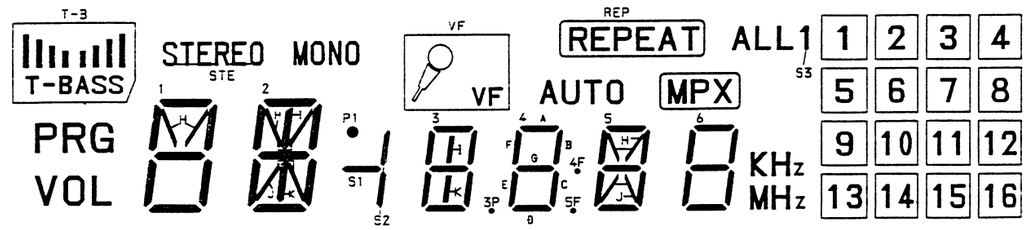

C CD C.B
TO A MAIN C.B
PN801
CN5
PICK UP ASSY
PIN2
PIN1
CN1
(RED)
(BLK)
BLK
E DRIVE C.B
BLK
CN3
(BLK)
(ORG)
SW1
(INSIDE LIMIT SWITCH)
PIN3
M2
M1
(SPINDLE MOTOR)
M2
(SLED MOTOR)
SW1
M1
CN2
(WHT)
(BLK)
BLK
SW1
(OPEN)
SW2
(CLOSE)
M1
(LOADING MOTOR)
SW2
SW1
M1
PIN4
CN6
BLK
(BLK)
(YEL)
F MOTOR CD C.B
FROM B FRONT C.B
CN4
FC1
IC1
IC2
IC3
IC4
IC5
IC10
SFR1
SFR2
SFR3
SFR4
CN4
U MODEL
LH MODEL
EH MODEL
CN6

SCHEMATIC DIAGRAM-3 (CD)



LCD DISPLAY



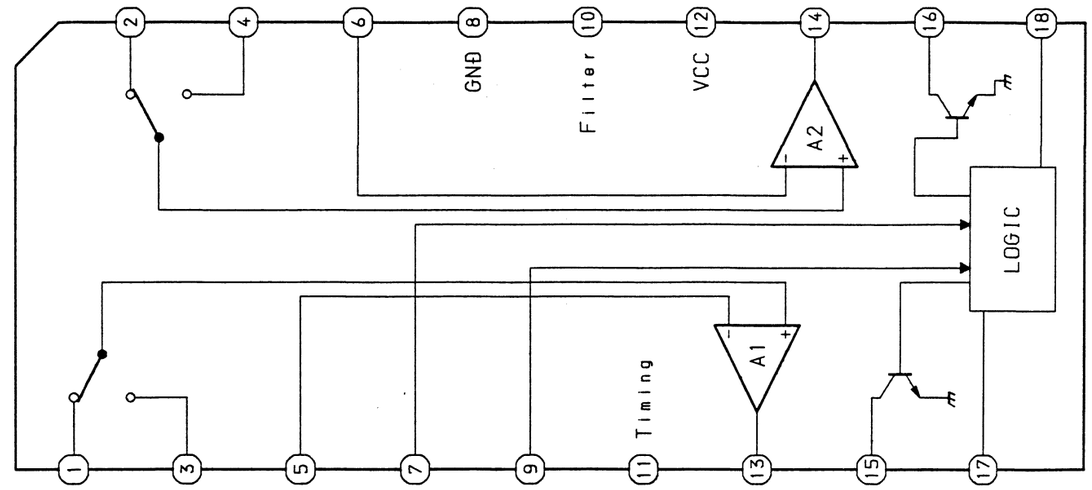


NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
COM1	COM1	—	—	TOB	1A	1H	—	2I	2G	2K	2B	MONO	REP	3F	3A
COM2	—	COM2	—	PRG	1F	1G	1B	2A	2H	2J	2C	P1	VF	3G	3IK
COM3	—	—	COM3	VOL	1B	1Đ	1C	STE	2F	2E	2Đ	S1	S2	3E	3Đ

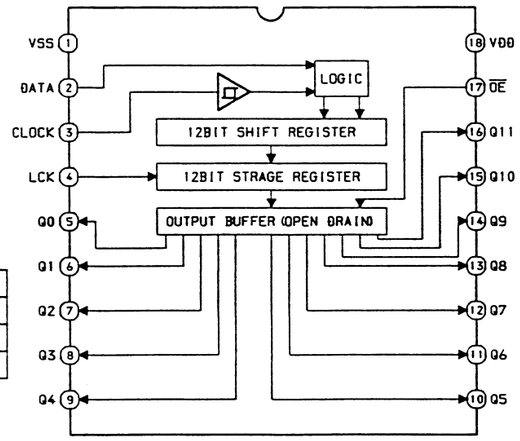
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
3B	4F	4B	2A	AUTO	5A	5B	6F	6B	6A	5	6	7	8	4	MPX	ALL
3C	4G	4C	4P	5F	5HJ	5C	6G	6C	KHZ	9	10	11	12	3	—	—
3P	4E	4Đ	5P	5E	5G	5Đ	MHZ	13	MHZ	13	14	15	16	2	1	S3

IC BLOCK DIAGRAM

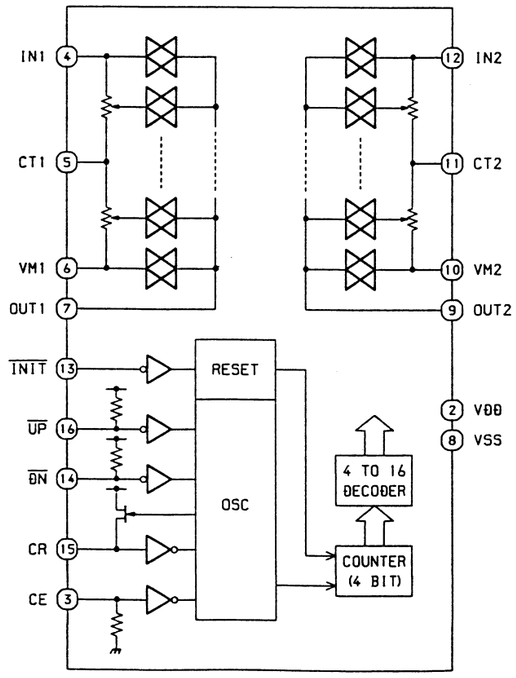
IC, BA3416BL



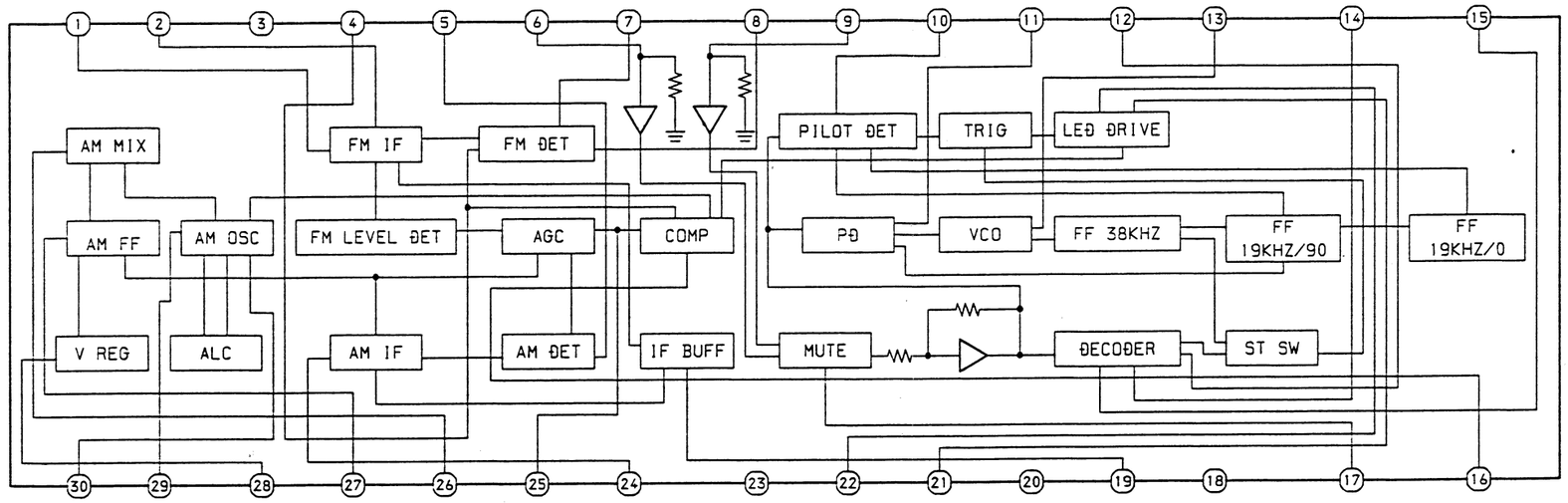
IC, BU2092



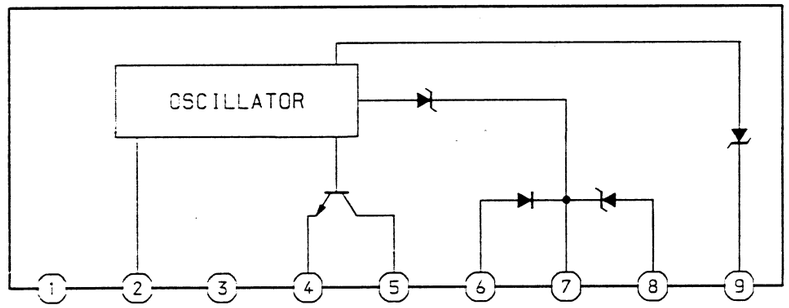
IC, LC7533



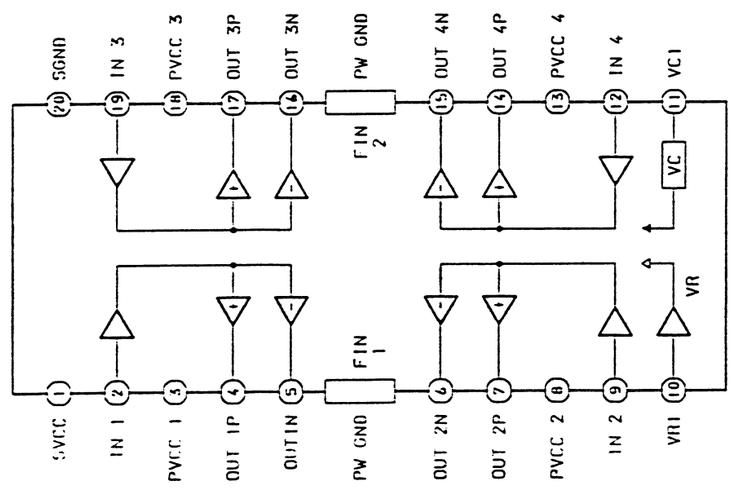
IC, LA1851N



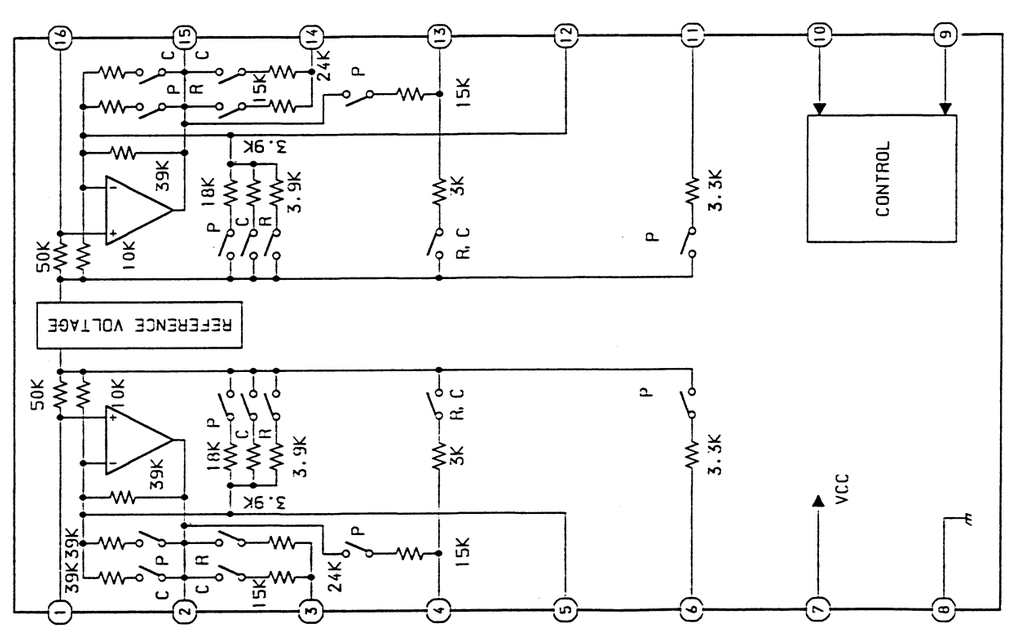
IC, TA8126S



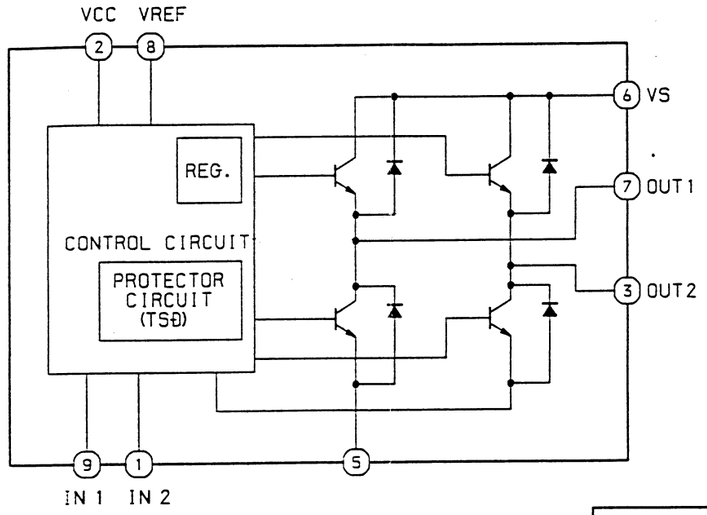
IC, TA2058F



IC, M62412P



IC, TA7291

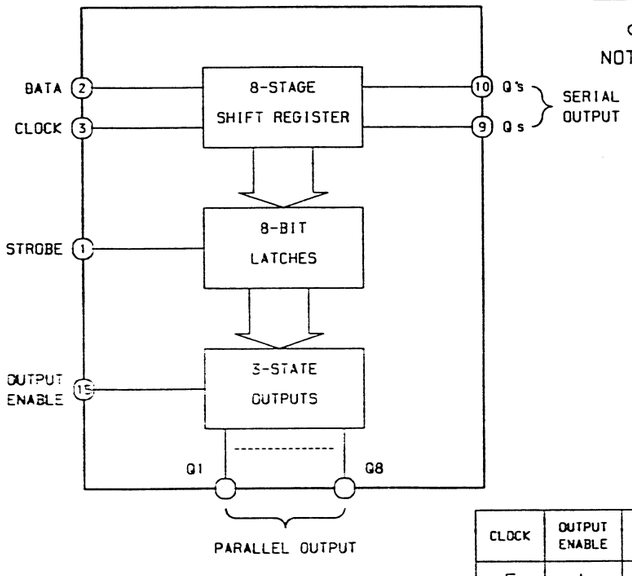


TRUTH TABLE

INPUT		OUTPUT		MODE
IN1	IN2	OUT1	OUT2	
0	0	∞	∞	STOP
1	0	H	L	CW
0	1	L	H	CCW
1	1	L	L	BRAKE

∞ : HI IMPEDANCE
NOTE : INPUT "H" ACTIVE

IC, BU4094B

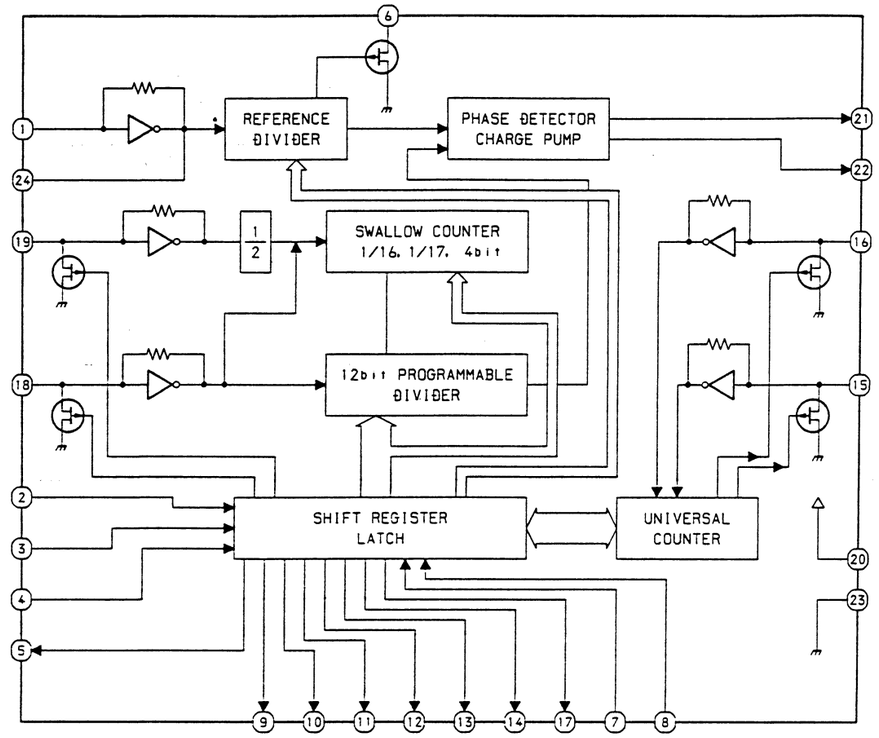


TRUTH TABLE

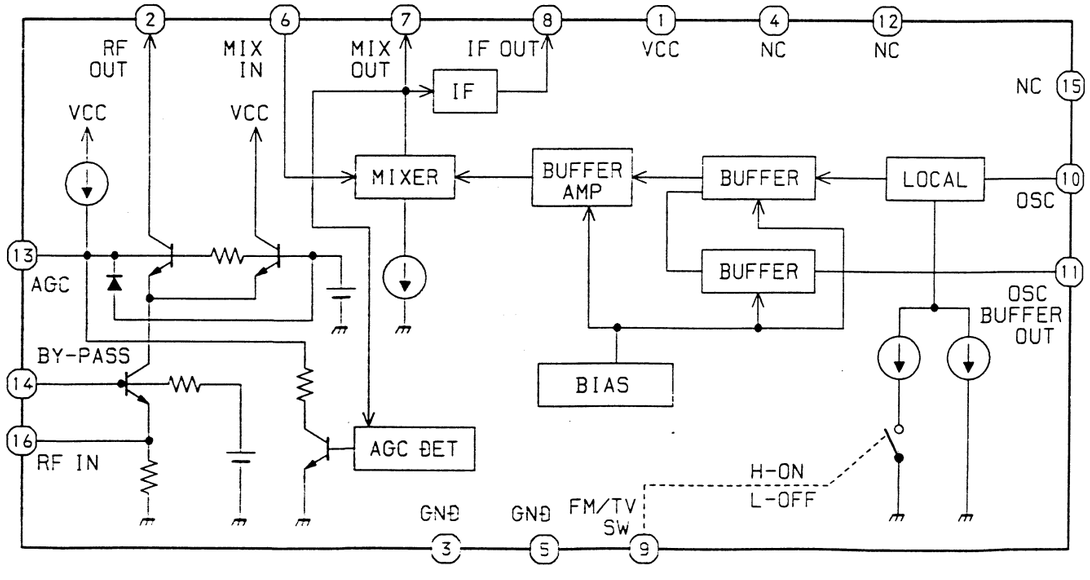
CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	Qs	Q's
↑	L	X	X	Z	Z	Q7	NO Chg.
↓	L	X	X	Z	Z	No Chg.	Qs
↑	H	L	X	No Chg.	No Chg.	Q7	No Chg.
↑	H	H	L	L	Qn-1	Q7	No Chg.
↑	H	H	H	H	Qn-1	Q7	No Chg.
↓	H	X	X	No Chg.	No Chg.	No Chg.	Qs

Z=High Impedance
X=Don't Care

IC, LC7218



IC, TA8176SN



IC DESCRIPTION

IC, LC867116W-5844

Pin No.	Pin name	I/O	Description
1	O-DATA	O	PLL, shift register data output.
2	O-CLK	O	PLL, shift register clock output.
3	$\overline{\text{O-FSTB}}$	O	Shift register data latch strobe output.
4	O-MUTE	O	Main mute output.
5	O-PCONT	O	Machine power supply control output.
6	I-TUDO	I	PLL IC tuner data input.
7	$\overline{\text{I-RST}}$	I	Microprocessor reset..
8	XT1	I	Connected to 32.768 kHz crystal.
9	XT2	O	Connected to 32.768 kHz crystal.
10	VSS1	—	GND.
11	CF1	I	Connected to 6 MHz ceramic lock.
12	CF2	O	Connected to 6 MHz ceramic lock.
13	VDD1	—	Microprocessor power supply (5 V).
14	I-KEY0	I	Key A/D input.
15	I-KEY1	I	Key A/D input.
16	I-TRY SW	I	CD tray open/close switch A/D input.
17	I-PU-INNER	I	CD inside limit switch input.
18	—	I	N.C.
19	I-MO/$\overline{\text{ST}}$	I	Tuner · stereo detection.
20	I-MICLEV	I	Microphone level detection.
21	I-$\overline{\text{REC}}$	I	N.C.
22	$\overline{\text{O-T-BASS}}$	O	T-bass circuit ON/OFF switch output (ON: L).
23	O-CDSW	O	CD block power supply control output (ON: H).
24	O-INIT	O	Initial setting output.
25	$\overline{\text{O-HSP}}$	O	High speed dubbing selector output (ON: L).
26	I-HOLD	I	Hold backup mode at "H".
27	—	I	N.C.
28	I-RMT	I	Remote control input.
29	PAO	I	Initial setting input.
30	S1	O	LCD segment output.
31～40	S2～S11	O	LCD segment output and initial setting output at the same time.
41	VDD3	—	Microprocessor power supply.
42	VSS3	—	GND.
43	S12	O	LCD segment output.
44	S13	O	LCD segment output.
45～60	S16～31	O	LCD segment output.
61	V3	—	LCD drive bias power supply.
62	V2	—	LCD drive bias power supply.
63	V1	—	LCD drive bias power supply.
64	COM0	O	LCD common output.
65	COM1	O	LCD common output.
66	COM2	O	LCD common output.
67	COM3	O	N.C.
68	VSS2	—	GND.
69	VDD2	—	CD IC control data bus input/output.
70	I/O BUS0	I/O	CD IC control data bus input/output.
71	I/O BUS1	I/O	CD IC control data bus input/output.
72	I/O BUS2	I/O	CD IC control data bus input/output.
73	I/O BUS3	I/O	CD IC control data bus input/output.
74	$\overline{\text{O-CCE}}$	O	CD IC control chip enable output.
75	O-BUCK	O	CD IC control data bus clock output.
76	O-CDMUTE	O	CD mute output.
77	O-CLOSE	O	CD tray close output (Close ON: H).
78	O-OPEN	O	CD tray open output (Close ON: H).
79	O-CE	O	PLL chip enable output.
80	O-MSTB	O	Shift register (MAIN C.B.) data latch strobe output.

IC, TC9284AF

Pin No.	Pin Name	I/O	Description
1	GNDA	—	D/A converter R-channel analog GND
2	RO	O	R-channel data positive output
3	$\overline{RO}$	O	R-channel data inverted output
4	VDA	—	D/A converter power supply (+5 V)
5	$\overline{LO}$	O	L-channel data inverted output
6	LO	O	L-channel data positive output
7	GNDA	—	D/A converter L-channel analog GND
8～10	$\overline{TEST3}$～$\overline{TEST5}$	I	TEST pin. Normally "H" (+5 V)
11	SBOK	O	Sub code data CRCC judgment result output. Judgment result OK: H (Not used)
12	VDDD	—	Digital power supply (+5 V)
13	GNDD	—	Digital GND
14～17	BUS0～BUS3	I/O	µprocessor interface, data input/output
18	CCE	I	µprocessor interface, chip enable signal input. When "L" : BUS 3～0 are active
19	BUCK	I	µprocessor interface, clock input
20	PFCK	O	PB frame sync output
21	$\overline{RST}$	I	Reset signal input. "L" at reset
22	SUBSYC	O	Sub code block sync output. When sub code is detected, "H" at S1 position
23	SUBD	O	Sub code P～W output
24	CLCK	I	Sub code P～W data read clock input
25	VDDD	—	Digital power supply (+5 V)
26	GNDD	—	Digital GND
27	DFCT	O	Defect detection signal output. When defect is detected: "VREF" , or "HiZ"
28	TEL2	O	Tracking gain adjustment analog switch output. "VREF" , or "HiZ"
29	TEL1	O	Tracking gain adjustment analog switch output. "VREF" , or "HiZ"
30	TGUL	O	Analog switch output for tracking servo gain up. Polarity in gain-up mode and normal mode can be selected by command
31	TGUH2	O	Analog switch output for tracking servo gain up. "HiZ" for gain-up, normally
32	TUGH1	O	"VREF" . TGUH1 during normal playback. TGUH2: not used
33	TKIC	O	Tracking actuator kick signal output. NKICx and CKICx are used for kick during tracking gain adjustment. "2VREF" for outermost track. "O" for moving toward inner track. Normally "HiZ"
34	FMON	O	Analog switch output to turn ON/OFF the feed servo "HiZ" to turn ON servo. "VREF" to turn OFF servo
35	$\overline{TEST1}$	I	TEST pin. Normally "H" (Connected to +5 V)
36	FMFB	O	Feed motor FWD/BWD direction control signal output. "2VREF" for outmost track. "O" for moving toward inner track. Normally "HiZ"
37	$\overline{TEST}$	I	TEST pin. Normally "H" or open (Connected to +5 V)
38	DMON	O	Analog switch output to select gain of the disc motor drive circuit. "HiZ" for CLV servo OFF. "HiZ" or "VREF" can be selected by command

Pin No.	Pin Name	I/O	Description
39	DMFC	O	Disc motor CLV servo AFC signal output Operation / Command / DMFC output Motor acceleration / DMFK / "2VREF" CLV servo ON / DMSV / AFC signal (PWM) Motor brake / DMBK / "L" CLV servo OFF / DMOFF / "VREF"
40	DMPC	O	Disc motor CLV servo APC signal output
41	2VREF	—	Analog power supply (twice the "VREF" voltage)
42	SEL	O	Servo mode select output. It turns ON/OFF the laser diode (LD) and focus servo. SEL output / LD / Focus servo / Operating mode "L" / OFF / OFF / LD OFF "HiZ" / ON / OFF / Focus search "H" / ON / ON / Focus ON (normal play)
43	FCSI	O	Focus actuator drive signal output during focus search mode. "VDDA" to move the lens far from disc. "L" to move the lens closer to disc. Normally "HiZ"
44	FKIC	O	Focus actuator drive signal output during focus adjustment mode. "VDDA" to move the lens far from disc. "L" to move the lens closer to disc. Normally "HiZ" (Not used)
45, 46	FEL1, FEL2	O	Focus gain adjustment analog switch output. "VREF" or "HiZ" (Not used)
47	FEI	I	Focus error signal input
48	TESH	I	Analog switch input to track error signal sample-and-hold
49	TEOF	O	Focus gain adjustment analog switch output. "VREF" or "HiZ"
50	SBAD	I	Sub beam added signal input
51	RFRP	I	RF ripple signal input
52	VREF	—	Analog power supply
53	RFI	I	RF signal input
54	GNDA	—	Analog GND
55	DTSC 2	O	Data slice control EFM signal inverted output
56	MONI T	O	Internal signal monitored output. EFMO. PLCK or LOCK signals can be selected by command. Can be muted (Not used)
57	DTSC 1	O	Data slice control EFM signal positive polarity output
58	VDDA	—	Analog power supply (+5 V)
59	PDCNT	I	PDO output control signal input. "L" to fix to "HiZ" forcibly. "H" : normal output (Connected to +5 V)
60	PDO	O	Phase error signal between EFM and PLCK signals is output
61	TMAX	O	TMAX detected result output TMAX detected result / TMAX output Longer than specified cycle / "L" Shorter than specified cycle / "2VREF" Within specified cycle / "HiZ"

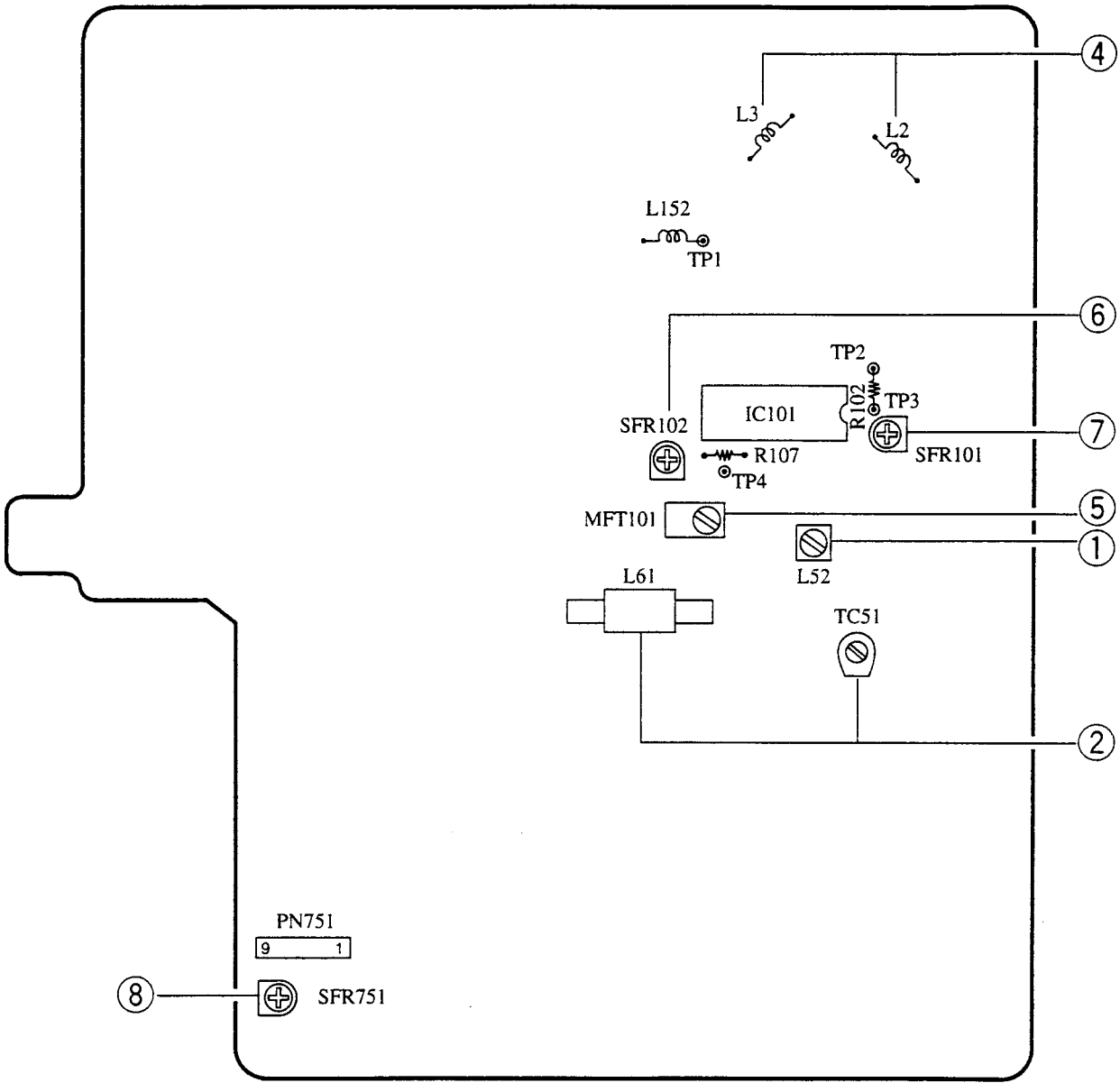
Pin No.	Pin Name	I/O	Description
62	LPFN	I	Low-pass filter amplifier inverted input
63	LPFO	O	Low-pass filter amplifier output
64	VCOF	O	VCO filter output
65	TESTX	I	TEST pin. Normally "H" or "L" (Connected to +5 V)
66	$\overline{HS}$	O	Double speed mode output. "H" : normal speed. "L" : double speed (Not used)
67	GNDD	—	Digital GND
68	SPDA	O	Processor status signal output (Not used)
69	COFS	O	Correction circuit frame clock (7.35 kHz) output (Not used)
70	WDCK	O	Word clock (88.2 kHz) output. SUBQ, BUF0V or 1PF can be selected by the µprocessor command (Not used)
71	CHCK	O	Channel clock (44.1 kHz) output. "L" for L-channel. "H" for R-channel (Not used)
72	BCK	O	Bit clock (1.4112 MHz) output (Not used)
73	AOUT	O	Audio data output (Not used)
74	EMPH	O	Emphasis ON/OFF select signal. "H" : emphasis ON. "L" for emphasis OFF (Not used)
75	DOUT	O	DIGITAL SIGNAL output
76	$\overline{TEST2}$	I	TEST pin. Normally "H" (Connected to +5 V)
77	VDDX	—	Crystal oscillator circuit power supply (+5 V)
78	XI	I	External crystal oscillator is connected. (Crystal oscillator frequency 16.9344 MHz)
79	XO	O	External crystal oscillator is connected. (Crystal oscillator frequency 16.9344 MHz)
80	GNDX	—	Crystal oscillator GND

IC, TA2065F

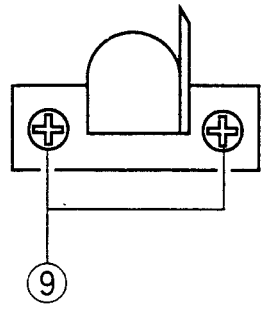
Pin No.	Pin name	I/O	Description
1	RFO	O	RF amp (RF AMP) output terminal.
2	RFI	I	RF ripple signal generating circuit input terminal.
3	VRO	O	VR amp output terminal.
4	2VRO	O	2VR amp output terminal.
5	RFRP	O	RF ripple signal output terminal.
6	SBAD	O	Defects detection signal output terminal.
7	DFIN	I	Defect detecting comparator positive phase input terminal.
8	FEP	I	Focus error balance adjusting input terminal.
9	FEN	I	Focus error amp (FE AMP) negative phase input terminal.
10	FEO	O	Focus error amp (FE AMP) output terminal.
11	FEI	I	Focus output amp (FS AMP) positive phase input terminal.
12	FHLD	I	Hold switch terminal for defect.
13	FEL1	I	Focus gain adjusting terminal.
14	FEL2	I	Focus gain adjusting terminal.
15	FSN	I	Focus output amp (FS AMP) negative phase input terminal.
16	FSO	O	Focus output amp (FS AMP) output terminal.
17	COSC	O	Focus search signal generating capacitor connecting terminal.
18	OSCI	I	Focus search signal generating built-in current source control input terminal.
19	GND	—	Ground terminal.
20	VCC	—	Power source terminal.
21	SEL	I	Analog switch control signal input terminal.
22	DMEP	I	Disc motor amp (DM AMP) positive phase input terminal.
23	DMEN	I	Disc motor amp (DM AMP) negative phase input terminal.
24	DMEO	O	Disc motor amp (DM AMP) output terminal.
25	DFCT	I	Defect detecting comparator negative phase input terminal.
26	FMSO	O	Feed motor output amp (FMS AMP) output terminal.
27	FMSN	I	Feed motor output amp (FMS AMP) negative phase input terminal.
28	FMSP	I	Feed motor output amp (FMS AMP) positive phase input terminal.
29	THLD	I	Hold switch terminal for defect.
30	TS2O	O	Tracking servo amp 2 (TS2 AMP) output terminal.
31	TS2N	I	Tracking servo amp 2 (TS2 AMP) negative phase input terminal.
32	TS2P	I	Tracking servo amp 2 (TS2 AMP) positive phase input terminal.
33	TS1N	I	Tracking servo amp 1 (TS1 AMP) negative phase input terminal.
34	TS1P	I	Tracking servo amp 1 (TS1 AMP) positive phase input terminal.
35	TSO	O	Tracking output amp (TS AMP) output terminal.
36	TEL1	I	Tracking gain adjusting terminal.
37	TEL2	I	Tracking gain adjusting terminal.
38	TSN	I	Tracking output amp (TS AMP) negative phase input terminal.
39	TPO	O	Sub-beam I-V amp output terminal.
40	TPI	I	Sub-beam I-V amp input terminal.
41	TNI	I	Sub-beam I-V amp input terminal.

Pin No.	Pin name	I/O	Description
42	TNO	O	Sub-beam I-V amp output terminal.
43	FNI	I	Main-beam I-V amp input terminal.
44	FPI	I	Main-beam I-V amp input terminal.
45	LDO	O	Laser diode amp output terminal.
46	MDI	I	Monitor photo diode amp input terminal.
47	RFN	I	RF amp negative phase input terminal.
48	RFT	I	RF amp peaking terminal.

A MAIN C.B



RPH (DECK1) / PH (DECK2)



TUNER SECTION

1. AM VT Adjustment
   Settings: • Test point: TP1
   • Adjustment location: L52
   Method: Set to AM 531kHz adjust L52 so that the test point becomes 1.3V±0.05V.

2. AM Tracking Adjustment
   TC51 ..... 600kHz
   L61 ..... 1404kHz

3. FM VT Check
   Settings: • Test point: TP1
   Method: Set to FM 87.5MHz and check that the test point is 4.0±0.1V.

4. FM Tracking Adjustment
   L2, 3 ..... 87.5MHz

5. DC Balance/MONO Distortion Adjustment
   Settings: • Test point: TP2, TP3
   • Adjustment location: MFT101
   • Input level: 54dB
   Method: Set to FM 98.0MHz and adjust MFT101 so that the voltage between TP2 and TP3 becomes 0V±10mV.

6. AM tuning Adjustment
   Settings: • Adjustment location: SFR102
   Method: Make setup for AM 1404kHz. Adjust SFR102 so that the machine performs Auto Stop when 53±2dB is input.

   * Confirm that TP4 is "L" at this time.

7. FM tuning Adjustment
   Settings: • Adjustment location: SFR101
   Method: Make setup for FM 87.5MHz. Adjust SFR101 so that the machine performs Auto Stop when 32±5dB is input.

   * Confirm that TP4 is "L" at this time.

TAPE SECTION

8. Tape speed Adjustment (DECK2)
   Settings: • Test tape: TTA-100 (TTA-111S)
   • Adjustment location: SFR751
   Method: Play back the test tape with DECK1 and adjust SFR751 so that the output frequency is 3000Hz. After the adjustment, check that the frequency of DECK2 is 3000±55Hz.

9. Azimuth Adjustment (DECK1, DECK2)
   Settings: • Test tape: TTA-320
   • Adjustment location: Head azimuth adjustment screw
   Method: Play back the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on each FWD PLAY and REV PLAY mode.

PRACTICAL SERVICE FIGURE

<RADIO SECTION>

Intermediate frequency:	FM 10.7MHz AM 450kHz
FM stereo separation:	27±3dB (98MHz)

<TAPE RECORDER SECTION>

Recording bias frequency:	71.5±0.5kHz
Erasing ratio (W/FILTER):	50dB
Distortion (T, H, D 10%):	Less than 4.8% (PB)
S/N ratio:	40dB (AC/DC, PB) 35dB (AC/DC, REC/PB)
Noise (PB):	Less than 1mV (AC/DC, MIN)
Tape speed:	3000±$\frac{3}{2}$Hz
Wow & flutter:	0.35% (JIS, UN WTD)
Take-up torque:	40~70g-cm
F.F & REW torque:	Less than 50g-cm

ljust SFR101
› Stop when

S)

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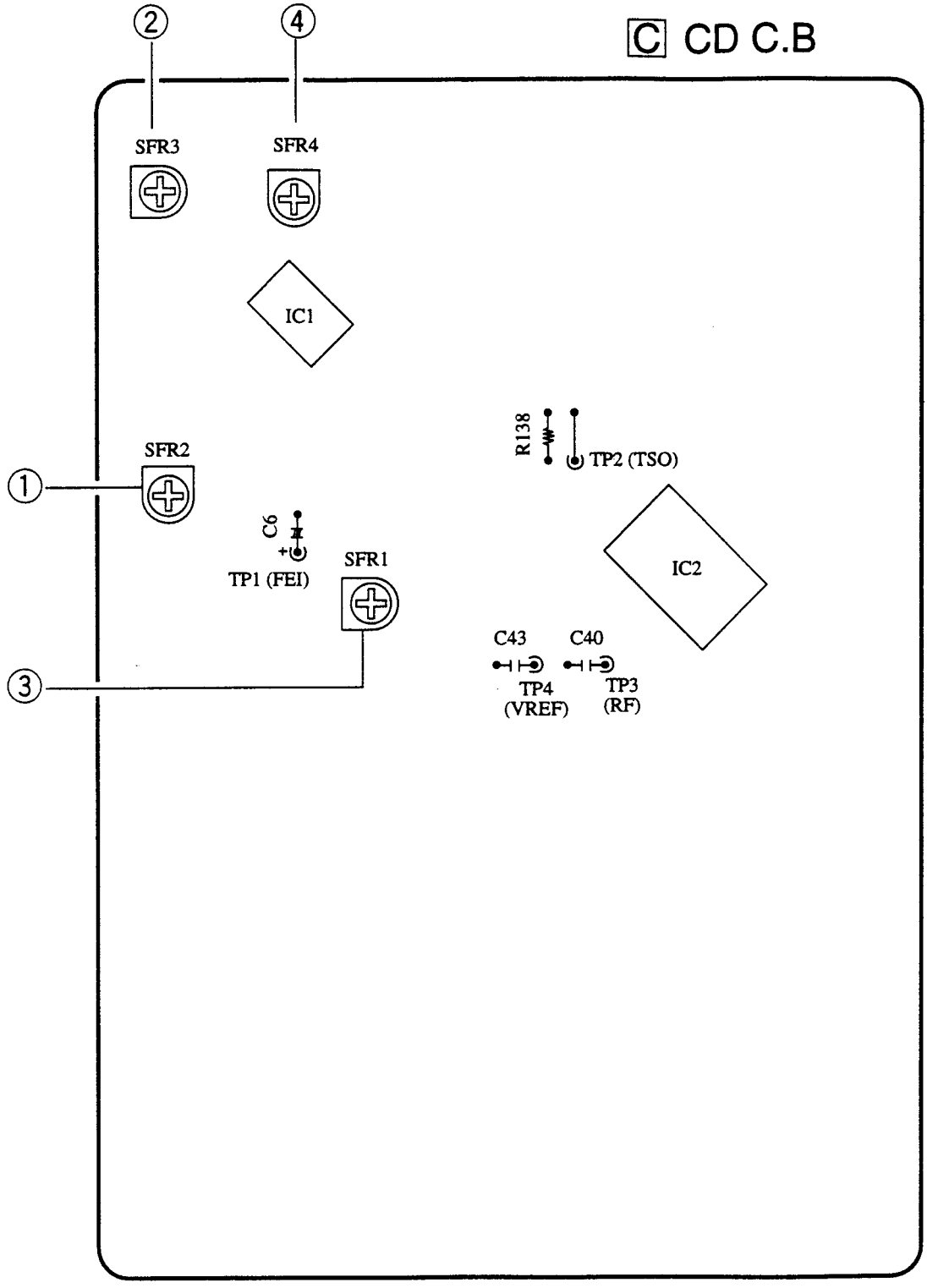
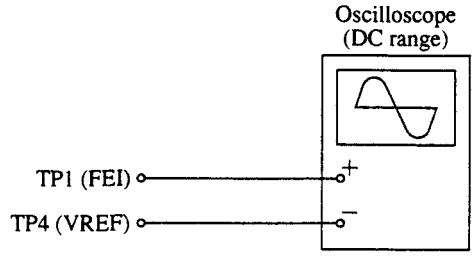
ı FWD PLAY



(CD SECTION)

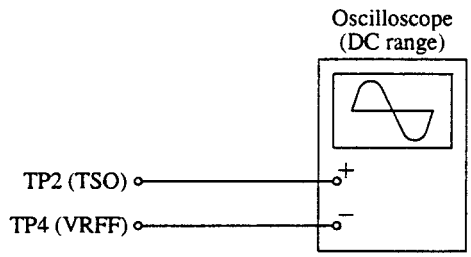
Note: · Connect a probe (10: 1) of the oscilloscope to a test point.

1. Focus offset Adjustment



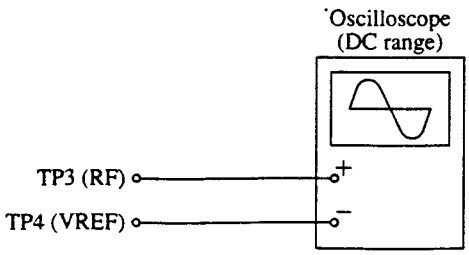
① Make short-circuit between TP3 (RF) and TP4 (VREF) by wire.
② Connect an oscilloscope between test points TP1 (FEI) and TP4 (VREF).
③ Turn on the main power to the CD player.
④ Insert the test disc TCD-782 (YEDS-18) and reads the TOC data.
⑤ Adjust SFR2 so that the offset level is 0±10mV.
⑥ Remove short-circuit after completing adjustment.

2. Tracking offset Adjustment

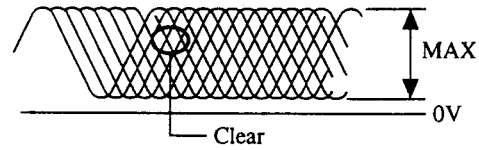


① Make short-circuit between TP3 (RF) and TP4 (VREF) by wire.
② Connect an oscilloscope between test points TP2 (TSO) and TP4 (VREF).
③ Turn on the main power to the CD player.
④ Insert the test disc TCD-782 and reads the TOC data.
⑤ Adjust SFR3 so that the offset level is -10±10mV.
⑥ Remove short-circuit after completing adjustment.

3. Focus Balance Adjustment
Make the focus bias adjustment when replacing and repairing the optical block.

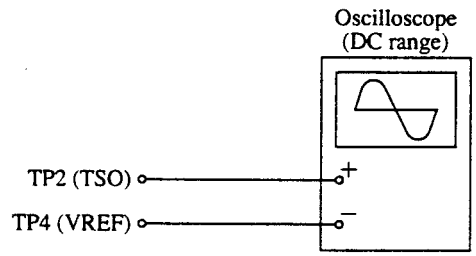


① Connect an oscilloscope to test points TP3 (RF) and TP4 (VREF).
② Turn on the power switch.
③ Insert test disc TCD-782 (YEDS-18) and play back the second composition.
④ Adjust SFR1 so that the level of RF wave to be maximum and clear.

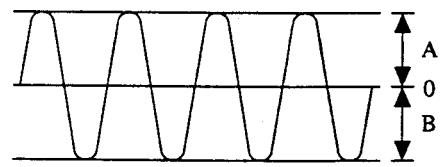


VOLT/DIV: 20mV
TIME/DIV: 0.2μS

4. Tracking Balance Adjustment

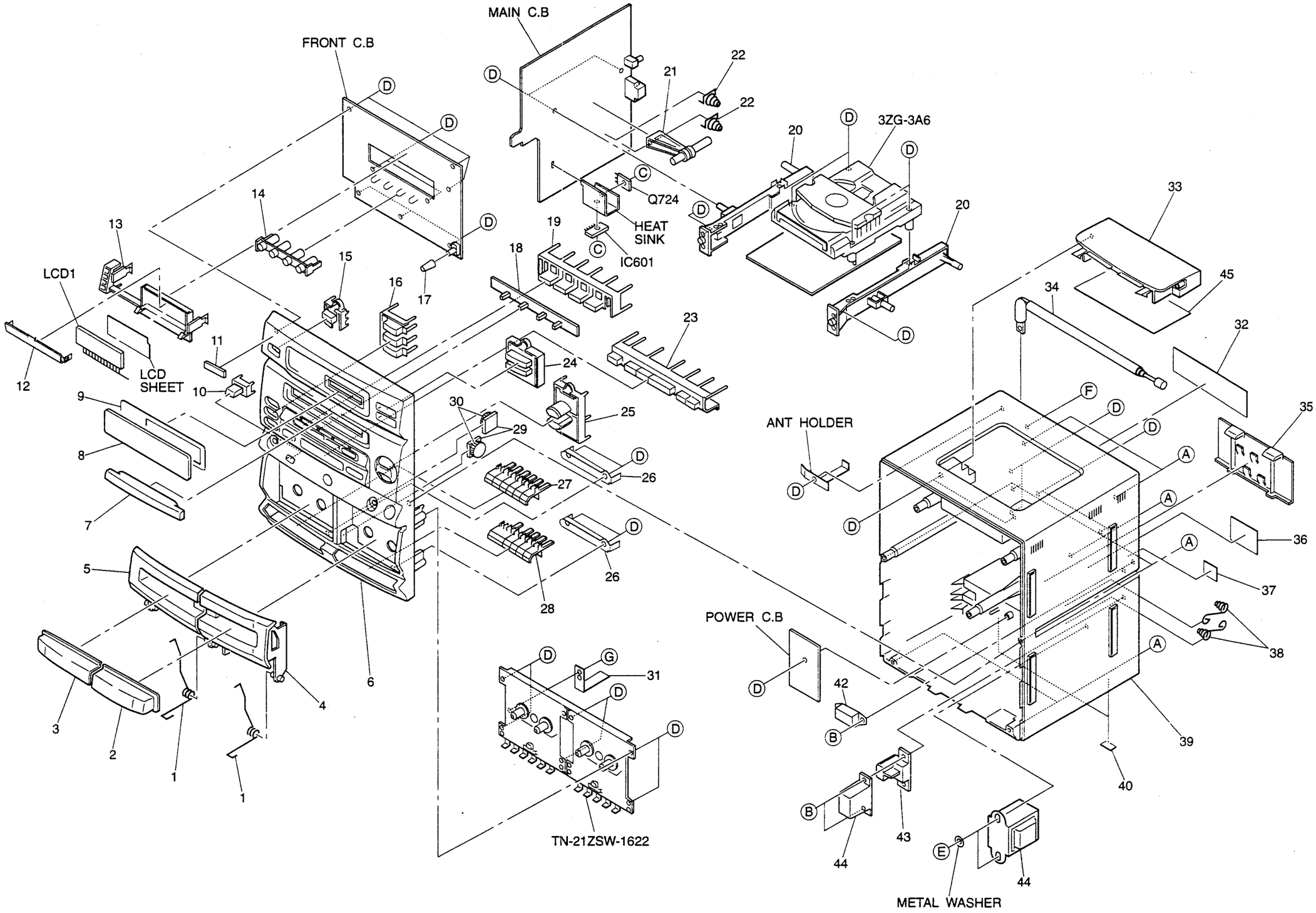


① Connect an oscilloscope to test points TP2 (TSO) and TP4 (VREF).
② Turn on the power switch.
③ Insert test disc TCD-782 (YEDS-18) and press the PLAY (▶) button.
④ Push and hold the ⏭ button. (MS mode)
⑤ Adjust SFR4 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.



A = B

MECHANICAL EXPLODED VIEW 1 / 1



MECHANICAL PARTS LIST 1 ／ 1

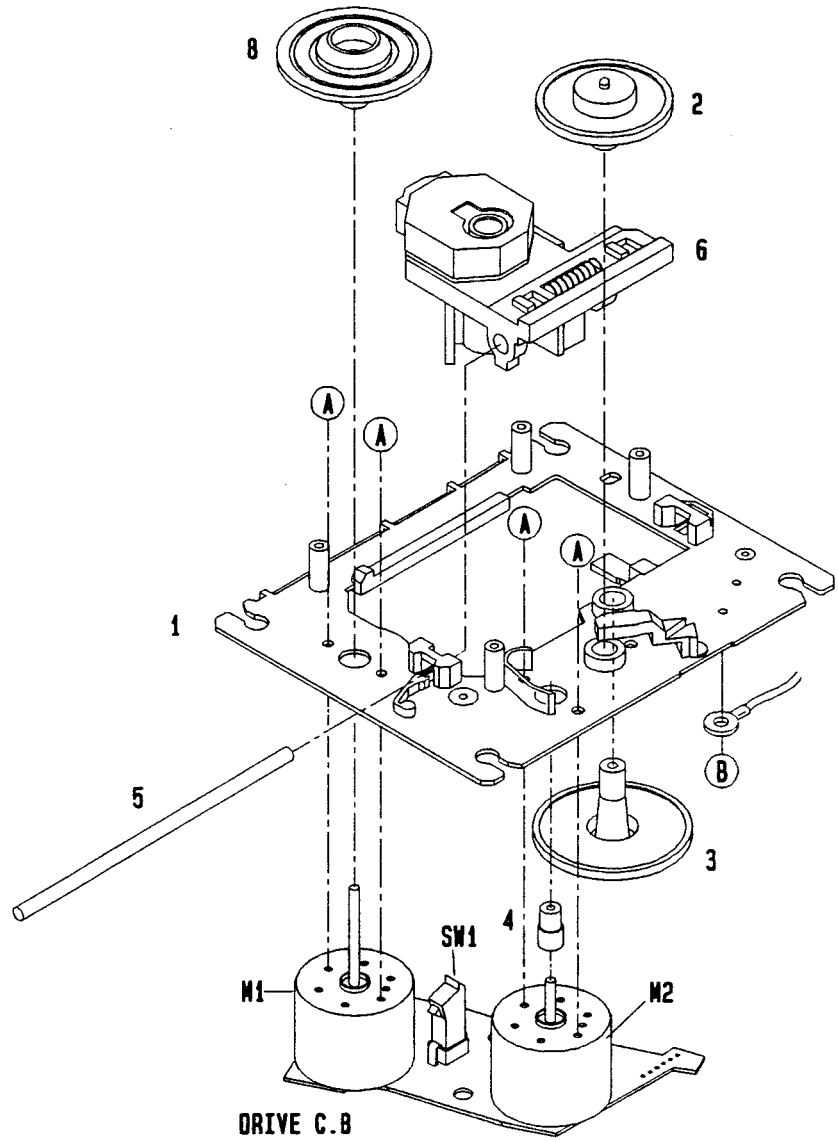
DESCRIPTION で判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	S7-738-390-000		SPR,CASS
2	S7-738-090-000		LENS,CASS(R)
3	S7-738-080-000		LENS,CASS(L)
4	S7-738-040-100		DOOR,CASS(R)
5	S7-738-030-100		DOOR,CASS(L)
6	S7-738-010-200		PANEL,FRONT
7	S7-738-060-100		DOOR,CD
8	S7-738-100-100		LENS,LCD
9	S7-538-A30-010		LENS,FILTER
10	S7-738-210-000		KNOB,HI-DUBBING(BLK)
11	S7-538-120-000		BADGE AIWA
12	S7-738-280-000		COVER,LED
13	S7-738-270-000		HOLDER,LCD(WIT)
14	S7-738-290-000		GUIDE,FUNCTION-LED
15	S7-738-180-000		KNOB,POWER(BLK)
16	S7-738-190-100		KNOB,EQ
17	S7-738-130-000		KNOB,MIC(BLK)
18	S7-738-220-000		LENS,FUNCTION
19	S7-738-150-100		KNOB,FUNCTION
20	S7-738-260-000		CHASSIS CD(BLK)
21	S7-738-370-000		HOLDER ANT
22	S7-738-420-000		SPR,BAT(B)
23	S7-738-140-100		KNOB,CONTINUE
24	S7-738-160-000		KNOB,CD(BLK)
25	S7-738-170-000		KNOB,VOL(BLK)
26	S7-738-360-000		HOLDER KNOB CASS
27	S7-738-110-100		KNOB,CASS(L)
28	S7-738-120-100		KNOB,CASS(R)
29	S7-538-270-000		BRACKET,GEAR
30	S7-538-280-000		GEAR
31	S7-738-380-000		PLATE REC
32	S7-738-410-200		PLATE,BACK<LH>
32	S7-738-410-100		PLATE,BACK<U>
33	S7-738-050-000		PANEL,TOP(D-GRY)
34	S0-172-380-000		ROD ANTENNA
35	S7-738-070-000		DOOR,BAT(D-GRY)
36	S7-738-250-000		PLATE CD-G 0.3MM
37	S7-738-240-000		PLATE VOLTAGE<U>
38	S7-738-400-000		SPR,BAT(A)
39	S7-738-020-000		CAB,BACK
40	S7-738-470-000		FOOT,RUBBER
41	S2-838-070-000		AC SOCKET COVER BLK
42	S1-200-000-030		SW,SLIDE SS12J01M-A-65<LH>
43	S1-171-001-000		SOCKET,AC HJC-022A<U>
43	S2-201-000-050		SOCKET,AC MKJ-102<LH>
44	S4-130-150-200		PT,TF EI-57/30<U>
44	S4-540-041-300		PT,TF EI-57/30<LH>
45	S7-738-490-000		PLATE,TOP(BLK)<U>
A	87-751-104-410		VT2+3-30
B	87-343-075-210		VT2+2.6-10
C	87-741-095-410		VT2+3-8(BLK)
D	87-741-097-410		VT2+3-12
E	S1-103-002-500		SCREW,ST3-25
F	87-761-100-410		VFT2+3-16(BLK)
G	87-254-033-410		SCREW,2-4

35

-36

CD MECHANISM EXPLODED VIEW 1 ／ 1

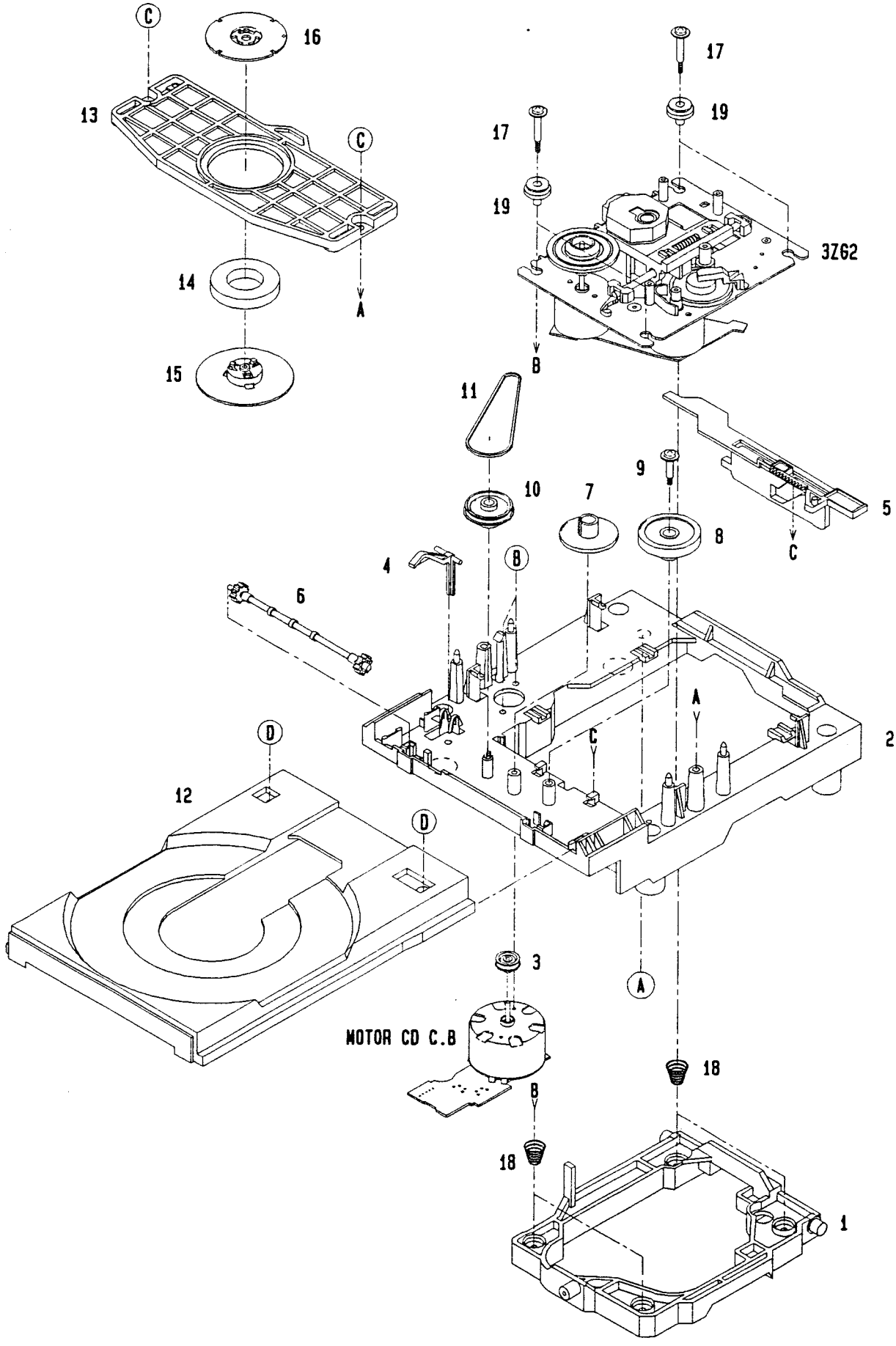


CD MECHANISM PARTS LIST 1 ／ 2

DESCRIPTION で判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	83-ZG2-202-51K		O-SERT S ASSY,S
2	83-ZG2-204-419		GEAR,A
3	83-ZG2-205-219		GEAR,B
4	83-ZG2-220-01K		GEAR MOTOR 2
5	83-ZG2-207-119		SHAFT,SLIDE
6	87-070-109-019		KSS 212A,PICKUP UNIT
8	83-ZG2-222-01K		TURN TABLE,A5
A	87-261-032-219		SCREW V+2-3
B	87-067-174-019		SCRE VTT+2-4

CD MECHANISM EXPLODED VIEW 2 / 2

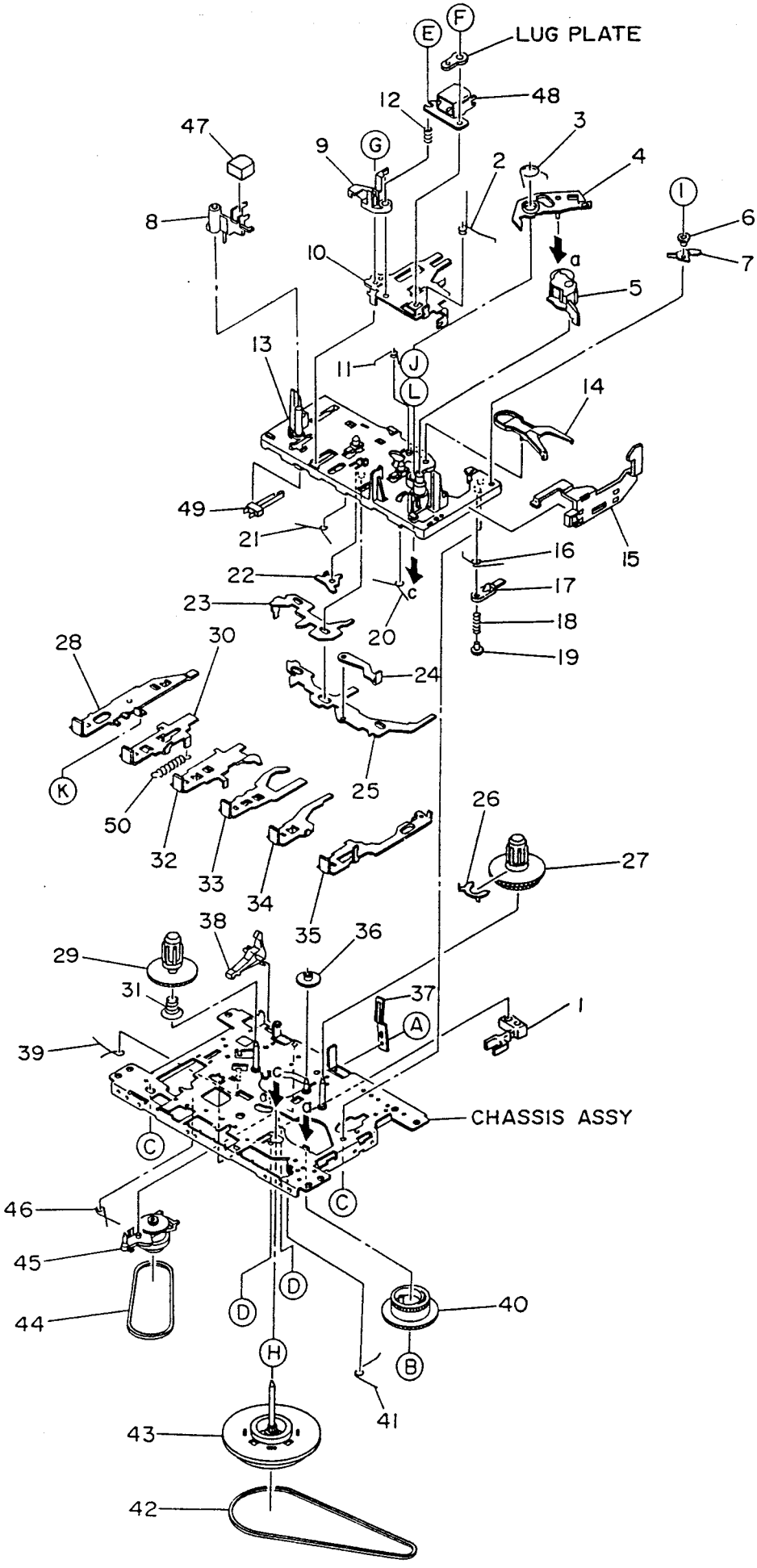


CD MECHANISM PARTS LIST 2／2

DESCRIPTIONで判断できない物は“REFERENCE NAME LIST”を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	83-ZG3-202-01K		HLDR,MECH
2	83-ZG3-228-21K		CHAS,L6
3	83-ZG3-208-01K		PULLEY,MOTOR
4	83-ZG3-213-01K		LVR,SW
5	83-ZG3-209-01K		CAM,SLIDE
6	83-ZG3-207-01K		GEAR,TRAY
7	83-ZG3-204-01K		GEAR,C
8	83-ZG3-205-01K		GEAR,D
9	83-ZG3-217-019		S-SCREW,GEAR D
10	83-ZG3-220-11K		GEAR,PULLEY 2
11	83-ZG3-214-019		BELT,L
12	83-ZG3-203-61K		TRAY,CD
13	83-ZG3-210-01K		HLDR,CHUCK
14	83-ZG3-602-010		RING,MAG
15	83-ZG3-212-01K		CAP,DISC
16	83-ZG3-211-01K		PLATE,DISC
17	81-ZG1-254-019		S-SCEW,MECH HLDR
18	83-ZG3-216-019		SPR-C,L
19	83-ZG3-215-019		CUSH-G,MAIN
A	87-067-945-119		VFT2+3-12(F10)
B	87-251-071-119		U+2.6-4
C	87-512-074-219		VFT2+2.6-8
D	87-352-075-219		VT2+2.6-10

TAPE MECHANISM EXPLODED VIEW 1 / 2

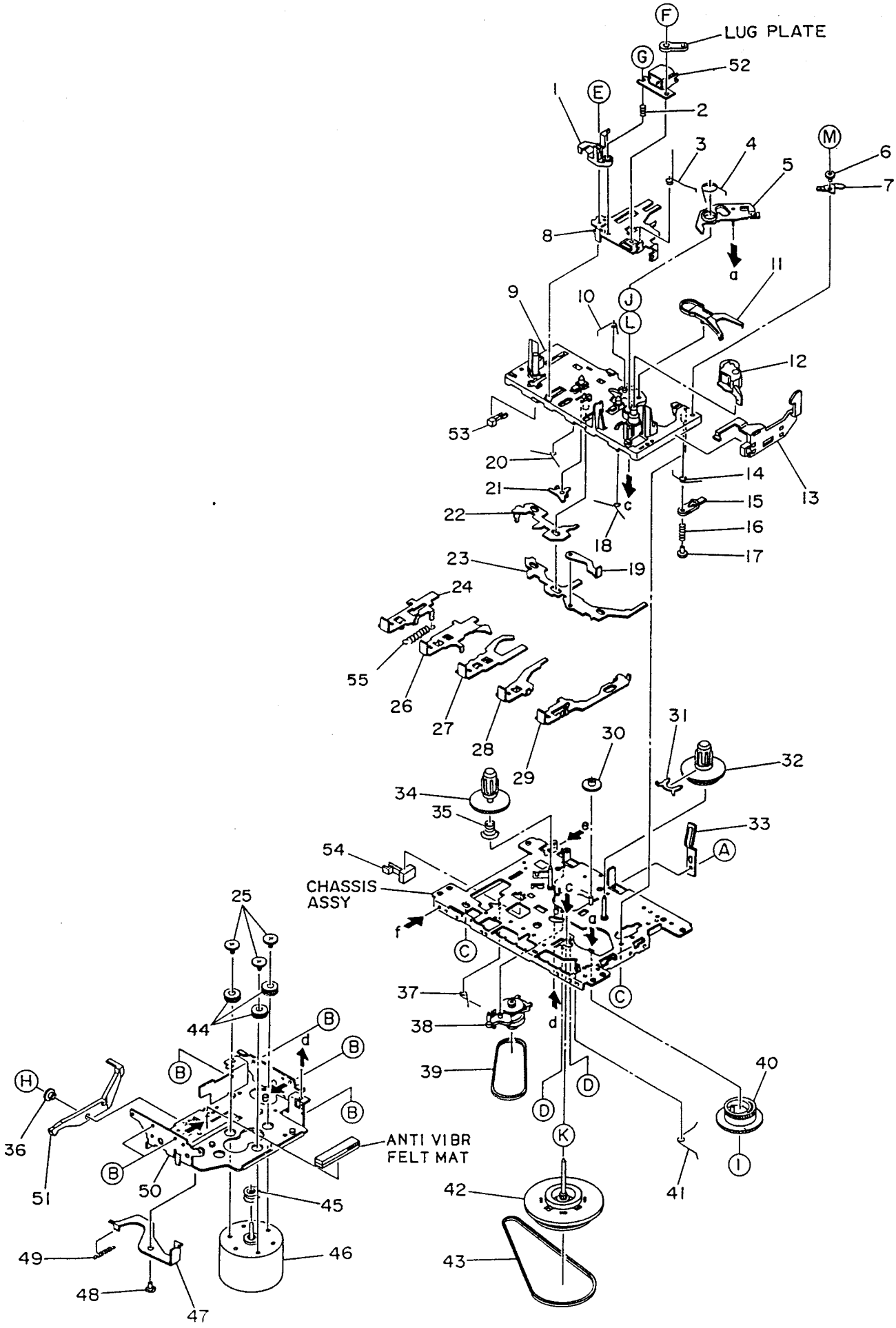


TAPE MECHANISM PARTS LIST 1 ／ 2

DESCRIPTION で判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	S6-401-011-610	1B	LEAF SW MSW-17820MVEI
2	S1-921-030-030	0E	PANEL P SPRING
3	S1-921-260-050	0E	GEAR PLATE SPRING
4	S1-921-265-020	0E	GEAR PLATE ASSY
5	S1-921-043-090	1C	PINCH ROLLER ARM ASY
6	S1-921-140-370	0E	P ARM COLLER
7	S1-921-140-340	0E	P ARM
8	S1-921-030-050	0E	MG ARM
9	S1-921-030-4A0	0E	HEAD BASE
10	S1-921-030-110	1A	HEAD PANEL
11	S1-921-141-8A0	0E	M CONTROL SPRING
12	S1-821-030-070	0E	AZIMUTH SPRING
13	S1-921-143-010	0E	BASE ASSY
14	S1-921-260-4A0	0E	SENSING LEVER
15	S1-921-130-020	0E	EJECT SLIDE LEVER
16	S1-921-141-3A0	1C	P CONTROL SPRING
17	S1-921-140-820	0E	PAUSE LEVER(F)
18	S1-921-140-120	0E	PAUSE LEVER SPRING
19	S1-921-140-110	1H	PAUSE STOPPER
20	S1-921-140-150	0E	BUTTON LEVER SPRING(B)
21	S1-921-140-140	1F	BUTTON LEVER SPRING(A)
22	S1-921-140-200	0E	PR STOPPER
23	S1-921-140-090	0E	SWITCH ACTUATOR
24	S1-821-011-590	0E	E KICK LEVER
25	S1-921-140-080	1E	PUSH BUTTON ACTUATOR
26	S1-921-050-060	0E	SENSER
27	S1-921-053-030	1F	TAKE UP REEL ASSY
28	S1-921-140-220	0E	REC BUTTON LEVER
29	S1-921-053-040	1E	SUPPLY REEL ASSY
30	S1-921-140-230	1D	PLAY BUTTON LEVER
31	S1-829-100-100	0E	BACK TENSION SPRING
32	S1-921-140-240	0E	REW BUTTON LEVER
33	S1-921-140-250	0E	FF BUTTON LEVER
34	S1-921-140-260	0E	STOP BUTTON LEVER
35	S1-921-140-610	1F	PAUSE BUTTON LEVER
36	S1-821-100-700	0E	FF GEAR
37	S1-829-100-010	0E	PACK SPRING
38	S1-821-100-690	1C	RECORD SAFETY LEVER
39	S1-921-140-210	1A	REC BUTTON LEVER SPRING
40	S1-921-260-020	1B	CAM GEAR
41	S1-921-140-160	0E	E ACTUATOR SPRING
42	S1-921-090-240	1C	MAIN BELT
43	S1-921-093-030	0E	FLYWHEEL ASSY
44	S1-921-070-030	1C	RF BELT
45	S1-921-073-080	1H	RF CLUTCH ASSY
46	S1-921-140-170	1H	P.S.LEVER SPRING
47	S6-209-100-100	1B	E HEAD PH-K380-MS1
48	S6-201-011-110	1E	HEAD,RP7442ES-0951
49	S6-401-011-520	1B	LEAF SW MSW-1541F
50	S1-821-010-500	0E	PLAY BUTTON LEVER SPRING
A	S9-P33-200-320	0E	DEL TITE SCREWM2-3
B	S9-422-000-000	0E	P WASHER CUT 12-3.8-0.3
C	S9-679-000-000	0E	P TAP SCREW M2-5
D	S9-999-180-090	0E	TAP SCREW M2-4.5
E	S9-922-000-000	0E	AZIMUTH SCREW M2-8
F	S9-115-000-000	0E	+ BIND SCREW M2-3
G	S9-004-000-000	0E	SCREW M2-6
H	S9-882-000-000	0E	P WASHER 2-3.5-0.4
I	S9-999-200-410	1B	P TAP SCREW M2-3
J	S9-999-030-130	0E	P WASHER CUT 1.45-3.8-0.
K	S9-179-000-000	0E	C TAP SCREW M2-3
L	S9-999-000-030	0E	P WASHER2.1-4-0.13

TAPE MECHANISM EXPLODED VIEW 2 / 2

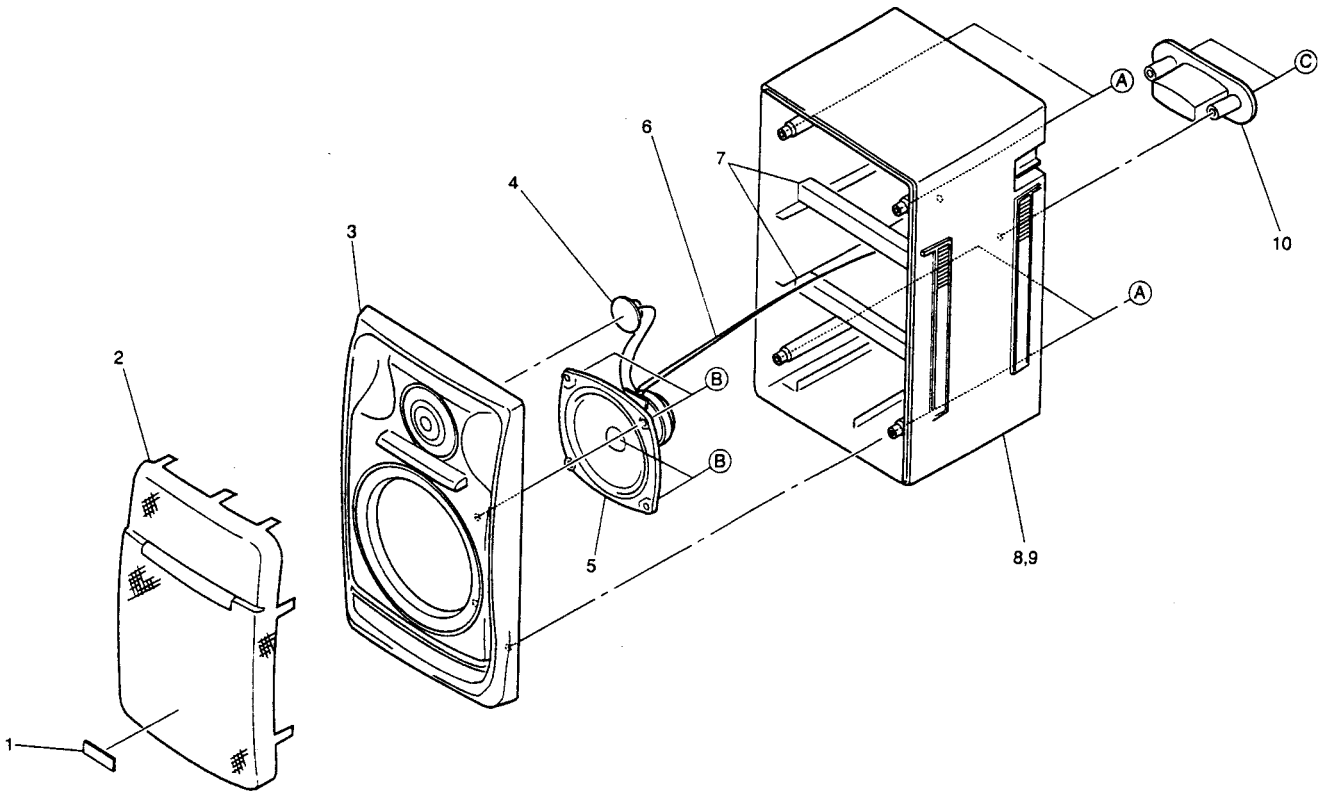


TAPE MECHANISM PARTS LIST 2／2

DESCRIPTION で判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	S1-921-030-4A0	0E	HEAD BASE
2	S1-821-030-070	0E	AZIMUTH SPRING
3	S1-921-030-030	0E	PANEL P SPRING
4	S1-921-260-050	0E	GEAR PLATE SPRING
5	S1-921-265-020	0E	GEAR PLATE ASSY
6	S1-921-140-370	0E	P ARM COLLER
7	S1-921-140-340	0E	P ARM
8	S1-921-030-110	1A	HEAD PANEL
9	S1-921-143-010	0E	BASE ASSY
10	S1-921-141-8A0	0E	M CONTROL SPRING
11	S1-921-260-4A0	0E	SENSING LEVER
12	S1-921-043-090	1C	PINCH ROLLER ARM ASY
13	S1-921-130-020	0E	EJECT SLIDE LEVER
14	S1-921-141-3A0	1C	P CONTROL SPRING
15	S1-921-140-820	0E	PAUSE LEVER(F)
16	S1-921-140-120	0E	PAUSE LEVER SPRING
17	S1-921-140-110	1H	PAUSE STOPPER
18	S1-921-140-150	0E	BUTTON LEVER SPRING(B)
19	S1-821-011-590	0E	E KICK LEVER
20	S1-921-140-140	1F	BUTTON LEVER SPRING(A)
21	S1-921-140-200	0E	PR STOPPER
22	S1-921-140-090	0E	SWITCH ACTUATOR
23	S1-921-140-080	1E	PUSH BUTTON ACTUATOR
24	S1-921-140-230	1D	PLAY BUTTON LEVER
25	S1-821-120-020	0E	MOTOR COLLER SCREW
26	S1-921-140-240	0E	REW BUTTON LEVER
27	S1-921-140-250	0E	FF BUTTON LEVER
28	S1-921-140-260	0E	STOP BUTTON LEVER
29	S1-921-140-610	1F	PAUSE BUTTON LEVER
30	S1-821-100-700	0E	FF GEAR
31	S1-921-050-060	0E	SENSER
32	S1-921-053-030	1F	TAKE UP REEL ASSY
33	S1-829-100-010	0E	PACK SPRING
34	S1-921-053-040	1E	SUPPLY REEL ASSY
35	S1-829-100-100	0E	BACK TENSION SPRING
36	S1-821-120-650	0E	COLLER B
37	S1-921-140-170	1H	P.S.LEVER SPRING
38	S1-921-073-080	1H	RF CLUTCH ASSY
39	S1-921-070-030	1C	RF BELT
40	S1-921-260-020	1B	CAM GEAR
41	S1-921-140-160	0E	E ACTUATOR SPRING
42	S1-921-093-040	1F	FLYWHEEL ASSY
43	S1-921-090-240	1C	MAIN BELT
44	S1-820-130-060	0E	MOTOR RUBBER
45	S1-921-120-130	0E	MOTOR PULLEY
46	S6-002-030-290	2M	MOTOR EG530YD-2BH
47	S1-821-120-680	0E	P KICK LEVER (A)
48	S1-821-120-230	0E	PK COLLER SCREW A
49	S1-821-120-250	0E	P KICK LEVER SPRING
50	S1-921-120-110	1B	MOTOR BRACKET
51	S1-921-120-090	1B	P KICK LEVER
52	S6-201-011-110	1E	HEAD,RP7442ES-0951
53	S6-401-011-520	1B	LEAF SW MSW-1541F
54	S6-401-011-610	1B	LEAF SW MSW-17820MVEI
55	S1-821-010-500	0E	PLAY BUTTON LEVER SPRING
A	S9-P33-200-320	0E	DEL TITE SCREWM2-3
B	S9-180-000-000	0E	C TAP SCREW M2-4
C	S9-679-000-000	0E	P TAP SCREW M2-5
D	S9-999-180-090	0E	TAP SCREW M2-4.5
E	S9-004-000-000	0E	SCREW M2-6
F	S9-115-000-000	0E	+ BIND SCREW M2-3
G	S9-922-000-000	0E	AZIMUTH SCREW M2-8
H	S9-182-000-000	2A	C TAP SCREW M2-6
I	S9-422-000-000	0E	P WASHER CUT 12-3.8-0.3
J	S9-999-030-130	0E	P WASHER CUT 1.45-3.8-0.
K	S9-882-000-000	0E	P WASHER 2-3.5-0.4
L	S9-999-000-030	0E	P WASHER2.1-4-0.13
M	S9-999-200-410	1B	P TAP SCREW M2-3

SPEAKER EXPLODED VIEW 1 / 1



SPEAKER PARTS LIST 1 / 1

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REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	S7-738-460-000		LOGO AIWA
2	S7-738-350-000		GRILL,SPKR
3	S7-738-300-100		PANEL,SPK
4	S3-270-010-000		BUZZER
5	S5-040-150-100		SPEAKER
6	S0-020-206-030		WIRE,SPK
7	S7-738-340-000		SUPPORT,WOOD
8	S7-738-310-000		CAB,SPKR(L)
9	S7-738-320-000		CAB,SPKR(R)
10	S7-738-330-000		HOLDER,CORD(BLK)
A	87-078-157-010		VT2+3-16
B	87-751-097-410		VT2+3-12
C	87-741-097-410		VT2+3-12